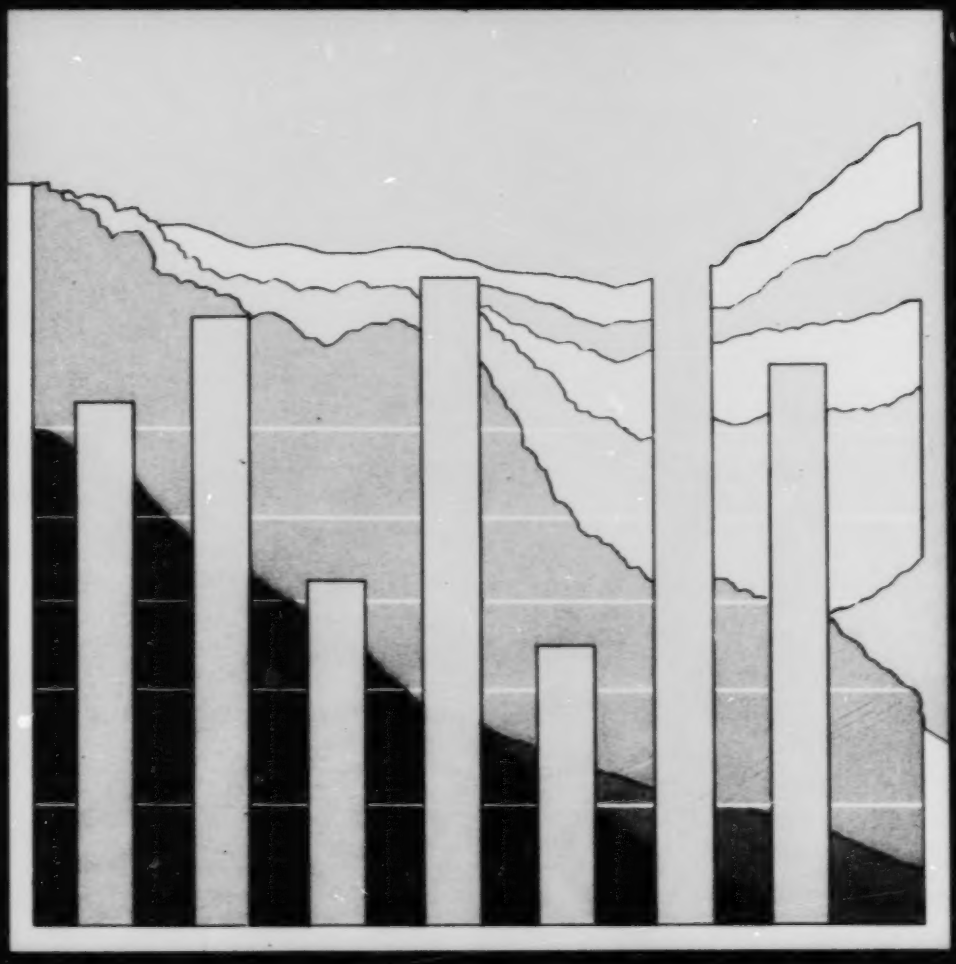
Selected Forestry Statistics Canada 1990

Information Report E-X-44
Economics and Statistics Directorate



Forestry Canada

Forestry Canada is the main focus for forestry matters in the federal government. It provides national leadership through the development, coordination, and implementation of federal policies and programs to enhance long-term economic, social, and environmental benefits from the forest sector for Canadians.

Forestry Canada is a decentralized organization with six regions, two national research institutes, and seven regional sub-offices located across Canada. Headquarters is located in the National Capital Region in Hull, Quebec.

In support of its mandate, Forestry Canada carries out the following activities:

- administers forest development agreements negotiated with the provinces
- undertakes and supports research, development, and technology transfer in forest management and utilization
- compiles, analyzes, and disseminates information about national and international forest resources and related matters
- monitors disease and insect pests in Canada's forests
- provides information, analyses, and policy advice on economics, industry, markets, and trade related to the forest sector
- promotes employment, education, and training opportunities in the forest sector
- promotes public awareness of all aspects of the forest sector.

Forestry Canada interacts regularly with provincial and territorial governments, industry, labour, universities, conservationists, and the public through such bodies as the Canadian Council of Forest Ministers, the Forest Sector Advisory Council, the Forestry Research Advisory Council of Canada, the Canadian Forest Inventory Committee, the Canadian Committee on Forest Fire Management, the Canadian Interagency Forest Fire Centre, and regional consultative committees. Forestry Canada is also active in international forestry agencies such as the International Union of Forestry Research Organizations and the Food and Agriculture Organization of the United Nations, as well as in technical and trade missions.

Forêts Canada

Forêts Canada est l'organisme principal en matière de foresterie à l'intérieur du gouvernement fédéral. Chef de file sur le plan national, il assure la préparation, la coordination et la mise en oeuvre des politiques et des programmes fédéraux dans le but d'améliorer les avantages économiques, sociaux et environnementaux à long terme offerts aux Canadiens par le secteur forestier.

Forêts Canada est une organisation décentralisée: six régions, deux instituts de recherche nationaux ainsi que sept sous-bureaux régionaux sont répartis dans tout le Canada. L'administration centrale est établie dans la région de la Capitale nationale, à Hull (Québec).

Pour remplir son mandat, Forêts Canada assume les tâches suivantes:

- il administre les accords de développement forestier conclus avec les provinces
- il entreprend et appuie la recherche, la mise au point et le transfert technologique dans le domaine de la gestion et de l'utilisation des forêts
- il rassemble, analyse et diffuse de l'information sur les ressources forestières nationales et internationales et les domaines connexes
- il fait des relevés des maladies et des insectes ravageurs des forêts canadiennes
- il fournit de l'information, des analyses et des conseils (quant aux politiques) concernant l'économie, l'industrie, les marchés et le commerce reliés au secteur forestier
- il favorise les occasions d'emploi et de formation universitaire et technique dans le secteur forestier
- il encourage les Canadiens à prendre conscience de tous les aspects du secteur forestier.

Forêts Canada entretient des rapports sur une base régulière avec les gouvernements provinciaux et territoriaux, l'industrie, le monde du travail, les universités, les environnementalistes et le public par l'entremise d'organismes comme le Conseil canadien des ministres des Forêts, le Conseil consultatif du secteur forestier, le Conseil consultatif de la recherche forestière du Canada, le Comité de l'Inventaire des forêts du Canada, le Comité canadien de la gestion des incendies de forêt, le Centre interservices des feux de forêt du Canada et des comités consultatifs régionaux. Forêts Canada joue également un rôle actif dans des organismes internationaux de foresterie comme l'Union internationale des instituts de recherches forestières et l'Organisation des Nations Unies pour l'alimentation et l'agriculture, de même qu'au sein de délégations de nature technique ou commerciale.

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CANADA 1990

ECONOMICS AND STATISTICS DIRECTORATE

FORESTRY CANADA

GOVERNMENT OF CANADA

DECEMBER 1990

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Want To Know More?

Selected Forestry Statistics Canada 1990 is published by the Economics and Statistics Directorate of Forestry Canada. The material presented is drawn from statistics covering mainly the period 1970-1989.

This edition combines Selected Forestry Statistics Canada 1989 and Selected Forestry Statistics Canada 1990.

These publications are also available: Forestry Facts, revised May 1990, is an easy-to-read "pocket-size" compendium of interesting and useful facts about the forestry sector in Canada. It shows Canada's place in the global context and a comprehensive national overview of Canada's forestry sector. It is packed with capsule statistics organized by industry segment and by province or territory. A snapshot overview is also presented in the brochure entitled, Canada's Forests.

If you need to know more about these statistics, contact the Forestry Canada Office nearest you.

Copies of these publications may be obtained at no charge from the following address:

Corporate and Public Affairs Directorate
Forestry Canada
351 St. Joseph Boulevard
Hull, Quebec
K1A 1G5

A microfiche edition of this publication may be purchased from:

Micromedia Ltd.
Place du Portage
165 Hôtel-de-Ville
Hull, Quebec
J8X 3X2

Cette publication est disponible en français sous le titre Recueil de statistiques forestières canadiennes 1990.

Where To Find Us

Forestry Canada
National Headquarters
and Office of the
Minister of Forestry

Place Vincent Massey
351 St. Joseph Boulevard
Hull, Quebec
K1A 1G5

Departmental Headquarters
Tel.: (819) 997-1107
FAX: (819) 997-1149

Minister's Office
Tel.: (819) 997-1694
FAX: (819) 953-7349

Forestry Canada
Regional Centres
and Institutes

Newfoundland
and Labrador Region
P.O. Box 6028
Building 304, Pleasantville
St. John's, Newfoundland
A1C 5X8
Tel.: (709) 772-4117
FAX: (709) 772-2576

Maritimes Region
P.O. Box 4000
Regent Street
Fredericton, New Brunswick
E3B 5P7
Tel.: (506) 452-3500
FAX: (506) 452-3525

Quebec Region
P.O. Box 3800
1055 P.E.P.S. Street
Ste Foy, Quebec
G1V 4C7
Tel.: (418) 648-5850
FAX: (418) 648-5849

Ontario Region
P.O. Box 490
1219 Queen Street East
Sault Ste. Marie, Ontario
P6A 5M7
Tel.: (705) 949-9461
FAX: (705) 759-5700

Northwest Region
5320 - 122nd Street
Edmonton, Alberta
T6H 3S5
Tel.: (403) 435-7210
FAX: (403) 435-7359

Pacific and
Yukon Region
506 West Burnside Road
Victoria, British Columbia
V8Z 1M5
Tel.: (604) 388-0600
FAX: (604) 388-0775

Petawawa National
Forestry Institute
Chalk River, Ontario
K0J 1J0
Tel.: (613) 589-2880
FAX: (613) 589-2275

Forest Pest
Management Institute
P.O. Box 490
1219 Queen Street East
Sault Ste Marie, Ontario
P6A 5M7
Tel.: (705) 949-9461
FAX: (705) 759-5700

ABSTRACT

Selected Forestry Statistics Canada 1990 contains the most current statistics available as of December 1990 and relates to a series of tables on Canadian forest resources and management activities, commodity production, shipments and trade, principal and employment statistics by industry sector, as well as selling price indexes, financial statistics, and economic indicators. Some transportation, construction, and international data complete the picture.

This edition combines Selected Forestry Statistics Canada 1989 and Selected Forestry Statistics Canada 1990.

Over 145 tables of forest economic data at the national and provincial levels are included in the report. Data have been extracted from approximately 55 different publications. A number of charts have been included to help the reader visualize the information. In addition, the last section of this publication describes the main forestry and economic terms used in the tables. The conversion factors used to convert from metric to imperial measure and the standard symbols used are available on page V. The reader should note that the columns of figures may not always sum exactly due to rounding.

To increase the precision and facilitate the retrieval of time series data, CANSIM (a computerized data bank of Statistics Canada) was used wherever possible. The tables of commodity data were retrieved from computer tapes produced by Statistics Canada's International Trade Division and the world statistics were retrieved from a computer tape produced by the Food and Agriculture Organization of the United Nations.

This year, section III "Commodity trade" and section IV "Principal statistics" were particularly affected by changes in methodology undertaken by Statistics Canada.

Information given at the beginning of the relevant sections highlights recent changes.

Arrangements can be made to provide the information on diskette in Wordperfect 5.1 or ASCII format.

Economics and Statistics Directorate
Forestry Canada

Office:

4th floor
Fuller Building
75 Albert Street
Ottawa, Ontario
Canada
Telephone: (819) 997-1107
Contact: Statistical Support Services
Head, Suzanne Gailloux

Mailing address:

Ottawa, Ontario
Canada
K1A 1G5

RÉSUMÉ

Le Recueil de statistiques forestières canadiennes 1990 contient les statistiques les plus récentes disponibles en décembre 1990 et porte sur les ressources forestières au Canada et sur les activités d'aménagement, la production et les livraisons de marchandises, le marché des produits, les statistiques principales et les données sur l'emploi par secteur industriel ainsi que sur les indices des prix de vente, les statistiques financières et les indicateurs économiques. Quelques données sur le transport, la construction et la foresterie mondiale complètent ce document.

Cette édition combine Recueil de statistiques forestières canadiennes 1989 et Recueil de statistiques forestières canadiennes 1990.

Plus de 145 tableaux de données forestières et économiques aux niveaux national et provincial sont inclus dans ce recueil. Les données proviennent d'environ 55 publications différentes. Plusieurs figures accompagnent les tableaux afin d'aider le lecteur à visualiser les renseignements. De même, la dernière section de ce recueil décrit brièvement les principaux termes forestiers et économiques utilisés dans les tableaux. Les facteurs nécessaires à la conversion des mesures métriques en mesures impériales et les signes conventionnels employés sont disponibles à la page V. Le lecteur devra remarquer que les totaux peuvent ne pas être exacts, certains chiffres étant arrondis.

Afin d'augmenter la précision des données et en faciliter [illegible]ction, CANSIM (la banque informatisée de séries chronologiques de Statistique Canada) a été utilisée où cela était possible. Les données sur le marché des produits ont été extraites de bandes magnétiques produites par la Division du commerce international de Statistique Canada, et les données sur la foresterie internationale proviennent d'une bande magnétique produite par l'Organisation des Nations Unies pour l'alimentation et l'agriculture.

Cette année, la section III "Marchés des produits" et la section IV "Statistiques principales" ont été particulièrement affectées par des changements dans la méthodologie entrepris par Statistique Canada.

Les renseignements fournis au début des sections soulignent les changements survenus récemment.

Certaines dispositions peuvent être prises afin de fournir l'information sur diskette en format "Wordperfect 5.1" ou "ASCII".

Direction de l'économie et des statistiques
Forêts Canada

Bureau:

4e étage
Édifice Fuller
75, rue Albert
Ottawa (Ontario)
Canada
Téléphone: (819) 997-1107
Contact: Services statistiques
Chef, Suzanne Gailloux

Adresse postale:

Ottawa (Ontario)
Canada
K1A 1G5

CONVERSION FACTORS

All units of measure in this publication are shown in metric only. The following table shows the factors used in converting from metric measure to imperial.

Description	Metric measure	Conversion factor (multiply by)	Imperial (English) measure
Bolts	m^3	0.415 472	cord
Flooring	m^3	0.423 775	MBF (thousand board feet)
Forest area	ha (0.01 km^2)	2.470 966	acre
Logs	m^3	0.220 750	MBF (thousand board feet)
Logs, pulpwood	m^3	0.353 147	cunits (100 cubic feet)
Lumber	m^3	0.423 775	MBF (thousand board feet)
Newsprint, paper and paperboard	t	1.102 310	short ton
Newsprint, paper and paperboard	t	22.045 855	CWT (hundredweights)
Particleboard	m^3	680.272 108	sq ft 5/8 (square foot 5/8")
Plywood - softwoods	m^3	1 130.071 194	sq ft 3/8 (square foot 3/8")
- hardwoods	m^3	1 695.202 576	sq ft 1/4 (square foot 1/4")
Pulpwood - peeled	m^3	0.371 733	cord
- unpeeled	m^3	0.415 467	cord
- total	m^3	0.415 467	cord
Railway ties	m^3	26.315 789 x 0.423 775	number
Roundwood	m^3	35.314 724	cubic feet
Shingles and shakes	m^2	0.107 639	rfsq (roof squares)
Veneer - softwoods	m^3 to m^2 X 314.925	3 389.830 508	sq ft (square foot)
- hardwoods	m^3 to m^2 X 800.888	8 620.689 655	sq ft (square foot)
Wood chips	t	1.102 310	ton (short tons)
Wood pulp	t	22.045 855	CWTAD (hundredweights air dry)

KEY TO SYMBOLS

The standard symbols used by Statistics Canada have been adopted for use in this manual. They are as follows:

...	figures not appropriate or not applicable
..	figures not available
-	nil or zero
--	amount too small to be expressed
p	preliminary figures
r	revised figures
x	confidential to meet secrecy requirements under the Statistics Act
e	estimated
n.e.c.	not elsewhere classified

COMPARISON OF TABLE NUMBERS USED BETWEEN 1987 AND 1989

1989	1988	1987
I-1	I-1	I-1
I-2	I-2	I-2
I-3	I-3	I-3
I-4	I-4	-
-	I-5	I-4
I-5	I-6	I-5
I-6	I-7	-
I-7	I-8	-
I-8	I-9	I-6
I-9	I-10	I-7
I-10	-	-
I-11	I-11	I-8
I-12	I-12	I-9
I-13	I-13	I-10
I-14	I-14	I-11
I-15	I-15	I-12
II-1	II-1	II-1
II-2	II-2	II-2
II-3	II-3	II-3
II-4	II-4	II-4
II-5	II-5	II-5
II-6	II-6	II-6
II-7	II-7	II-7
II-8	II-8	II-8
II-9	II-9	II-9
II-10	II-10	II-10
II-11	II-11	II-11
II-12	II-12	II-12
II-13	II-13	II-13
II-14	II-14	II-14
II-15	II-15	II-15
II-16	II-16	II-16
II-17	II-17	II-17
II-18	II-18	II-18
II-19	II-19	II-19
II-20	II-20	II-20
II-21	II-21	II-21
-	II-22	II-22
-	II-23	II-23
III-1	III-1	III-1
III-2	III-2	III-2
III-3	III-3	III-3
III-4	III-4	III-4
III-5	III-5	III-5
III-6	III-6	III-6
III-7	III-7	III-7
III-8 (A,B)	III-8	III-8
III-9 (A,B)	III-9	III-9
III-10 (A,B)	III-10	III-10
III-11 (A,B)	III-11	III-11
III-12 (A,B)	III-12	III-12
III-13 (A,B)	III-13	III-13
III-14 (A,B)	III-14	III-14
III-15 (A,B)	III-15	III-15
III-16 (A,B)	III-16	III-16
III-17 (A,B)	III-17	III-17
III-18 (A,B)	III-18	III-18
III-19 (A,B)	III-19	III-19
III-20 (A,B)	III-20	III-20
III-21 (A,B)	III-21	III-21
IV-1 (A,B)	IV-1	IV-1
IV-2 (A,B)	IV-2	IV-2
IV-3 (A,B)	IV-3	IV-3
IV-4	IV-4	IV-4
IV-5 (A,B)	IV-5	IV-5
IV-6 (A,B)	IV-6	IV-6
IV-7 (A,B)	IV-7	IV-7
IV-8 (A,B)	IV-8	IV-8
IV-9	IV-9	IV-9
IV-10 (A,B)	IV-10	IV-10
IV-11	IV-11	IV-11
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IV-24	IV-24	IV-24
IV-25	IV-25	IV-25
IV-26	IV-26	IV-26
IV-27	IV-27	IV-27
IV-28	IV-28	IV-28
IV-29	IV-29	IV-29
IV-30	IV-30	IV-30
V-1	V-1	V-1
V-2	V-2	V-2
V-3	V-3	V-3
V-4	V-4	V-4
VI-1	VI-1	VI-1
-	-	VI-2
VI-2	VI-2	-
VI-3	VI-3	-
VI-4	VI-4	-
VI-5	VI-5	VI-3
VII-1	VII-1	VII-1
VII-2	VII-2	VII-2
VII-3	VII-3	VII-3
VII-4	VII-4	VII-4
VII-5	VII-5	VII-5
VII-6	VII-6	VII-6
VII-7	VII-7	VII-7
VII-8	VII-8	VII-8 in 1987
-	-	VII-8 in 1986
VII-9	VII-9	VII-9 in 1987
VIII-1	VIII-1	VIII-1
VIII-2	VIII-2	VIII-2
VIII-3	VIII-3	VIII-3
IX-1	IX-1	IX-1
IX-2 (A,B)	IX-2 (A,B)	IX-2 (A,B)
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SUMMARY OF SELECTED FORESTRY STATISTICS CANADA 1990

1. **Land area, 1986**	**921.5**	**million ha**
Forest land	453.3	
Inventoried forest land	397.9	
Inventoried productive forest land	243.7	
Inventoried stocked productive nonreserved forest land	216.4	
Agricultural land	67.8	

	Inventoried	Inventoried productive	Inventoried stocked productive nonreserved	
2. **Ownership of forest land, 1986**	**397.9**	**243.7**	**216.4**	**million ha**
Provincial Crown	70%	80%	81%	
Federal Crown	24%	11%	10%	
Others	6%	9%	9%	
3. **Volume of wood on forest land, 1986**	..	**23 921**	**23 154**	**million m^3**

4. **Silviculture**	1985	1986	1987	1988	
Area harvested	901 552	1 018 732	1 012 894	1 021 619	ha
Area of site preparation	300 974	396 616	478 875	450 590	
Area planted	261 020	299 518	370 245	413 291	
Area directly seeded	26 189	25 954	37 318	37 726	
Area of stand tending	216 592	245 531	275 487	269 309	
Area of pest control	1 452 735	..	..	..	
Trees planted (seedlings)	452 540	540 857	656 468	731 332	thousand

5. **Fire**	1986	1987	1988	1989	
No. of fires	7 087	11 304	10 741	12 105	
Area burned - total forest land	950 123	1 085 630	1 336 031	7 272 942	ha
- productive forest land	311 411	312 865	639 703	3 991 758	ha
Fire control - budgeted costs	$108 811	$115 630	$142 329	$165 300	thousand
- fighting costs	$102 308	$155 321	$185 135	$270 310	thousand

6. **Forest insect and disease conditions, 1982-1986p**	**109.6**	**million m^3**
Average annual mortality volume	62.3	
Growth reduction	22.3	
Wood destruction	25.0	

7. **Moderate to severe defoliation**	1986	1987	1988	1989	
Spruce budworm	12 385	8 420	6 335	7 738	thousand ha
Forest tent caterpillar	2 007	3 813	8 350	10 715	
Jack pine budworm	2 052	508	737	248	

SUMMARY OF SELECTED FORESTRY STATISTICS CANADA 1990 (continued)

	1983	1985	1988	
8. Forest management expenditures	**$1 247.8**	**$1 677.9**	**$2 016.1**	**million**
Provincial	783.9	1 063.0	1 287.8	
Federal	183.6	209.0	225.8	
Industry	280.3	405.9	502.5e	
Silviculture	$ 335.9	$ 476.6	$ 705.0	million
Forest protection	241.6	359.1	396.9	
Resource access	229.6	346.7	284.5	
Research	77.2	89.4	103.6	
Other	363.5	406.1	526.1	

	1986	1987	1988	
9. Federal-provincial agreements	**$199 357**	**$256 718**	**$267 885**	**thousand**
Federal	112 602	138 984	131 833	
Provincial	86 755	117 733	136 052	
Site preparation and regeneration	101 444	127 161	143 363	
Other silviculture treatments	49 923	69 702	73 206	
Forest protection	2 317	1 474	1 129	
Research and forest extension	29 148	38 784	33 343	
Other activities	16 525	19 597	16 844	

	1985	1986	1987p	1988p	
10. Roundwood production	**168.7**	**177.1**	**191.6**	**190.3**	**million m^3**
Atlantic provinces	8%	9%	8%	9%	
Quebec	21%	21%	21%	21%	
Ontario	17%	17%	15%	15%	
Prairie provinces	8%	9%	8%	9%	
British Columbia	46%	44%	47%	46%	
Species mix					
Softwoods	92%	91%	..	..	
Hardwoods	8%	9%	..	..	

	1986	1987	1988	1989	
11. Lumber production	**54.9**	**61.8**	**60.7**	**59.3**	**million m^3**
Atlantic provinces	4%	4%	4%	3%	
Quebec	20%	19%	18%	18%	
Ontario	11%	10%	10%	10%	
Prairie provinces	7%	7%	8%	8%	
British Columbia	58%	60%	60%	61%	
Species mix					
Softwoods	97%	98%	98%	98%	
Hardwoods	3%	2%	2%	2%	

	1986	1987	1988	1989	
12. Wood pulp production	**21.7**	**23.0**	**23.7**	**23.6**	**million t**
Quebec	32%	31%	32%	31%	
Ontario	20%	19%	19%	19%	
British Columbia	29%	31%	30%	30%	
All other provinces	19%	19%	19%	20%	

SUMMARY OF SELECTED FORESTRY STATISTICS
CANADA 1990 (continued)

	1986	1987	1988	1989	
13. Basic paper and paperboard production	**15.3**	**16.0**	**16.6**	**16.6**	**million t**
Quebec	43%	42%	43%	41%	
Ontario	26%	26%	25%	26%	
British Columbia	17%	17%	17%	17%	
All other provinces	14%	15%	15%	16%	

	1986	1987	1988	1989	
14. Shipments					
Roundwood	103.2	..	..	..	million m^3
Lumber - total	52.7	..	..	..	million m^3
- softwoods	51.5	..	..	..	million m^3
Wood pulp	9.5	10.0	10.1	10.0	million t
Paper and paperboard - total	15.3	16.1	16.5	16.5	million t
- newsprint	9.3	9.8	9.9	9.7	million t

	1986	1987	1988	1989	
15. Exports of forest products	**$ 17 938**	**$ 21 241**	**$ 22 581**	**$22 779**	**million**
Lumber - total	4 980	5 859	5 415	5 509	
- softwoods	4 893	5 745	5 234	5 379	
Wood pulp	4 072	5 473	6 496	6 939	
Paper and paperboard - total	7 455	8 266	8 632	8 218	
- newsprint	5 661	6 029	6 201	5 665	
Other forest products	1 431	1 643	2 038	2 113	

	1986	1987	1988	1989	
16. Exports of forest products by region of lading/origin	**$ 17 938**	**$ 21 241**	**$22 581**	**$22 779**	**million**
Atlantic provinces	11%	11%	11%	11%	
Quebec	26%	23%	23%	22%	
Ontario	20%	18%	18%	17%	
Prairie provinces	4%	4%	4%	5%	
British Columbia	39%	44%	44%	45%	

	1986	1987	1988	1989	
17. Balance of trade, net flow	**$+ 8 158**	**$+ 8 848**	**+ 6 379**	**+ 3 306**	**million**
Forest products	+15 619	+18 671	+19 434	+19 489	
Farm products	+ 1 449	+ 1 849	+ 2 646	+ 738	
Fish products	+ 1 821	+ 2 079	+ 2 059	+ 1 700	
Energy	+ 7 568	+ 8 333	+ 8 575	+ 7 710	
Metals and minerals	+ 7 606	+ 7 475	+ 8 404	+ 8 640	
Chemicals and fertilizers - minerals	+ 1 062	+ 1 276	+ 292	- 872	
Chemicals and fertilizers - non minerals	- 1 989	- 1 897	-	-	
Textiles	- 1 709	- 1 805	- 1 602	- 1 672	
Machinery	- 5 669	- 6 048	- 7 283	- 7 199	
Transportation and automotive products	+ 917	- 1 061	- 831	+ 2 079	
Other products	-17 117	-18 400	-23 375	-25 210	

SUMMARY OF SELECTED FORESTRY STATISTICS CANADA 1990 (concluded)

	1985	1986	1987r	1988p	
18. Employment in forest industries (direct jobs)	**268**	**274**	**289**	**292**	**thousand**
Logging	46	46	48	47	
Wood industries	108	111	122	124	
Paper and allied industries	114	117	119	121	

	1985	1986	1987r	1988p	
19. Value of shipments of goods	**$ 34 659**	**$ 38 276**	**$ 45 133e**	**$ 49 045**	**million**
Logging	5 462	5 776	7 538	8 062	
Wood industries	11 122	12 433	14 583e	15 322	
Paper and allied industries	18 075	20 067	23 012e	25 661	

	1985	1986	1987r	1988p	
20. Value added, total activity	**$ 14 399**	**$ 16 737**	**$ 20 847**	**$ 22 139**	**million**
Logging	2 187	2 297	3 340	3 377	
Wood industries	4 688	5 523	6 548	6 277	
Paper and allied industries	7 524	8 917	10 959	12 485	

	1985	1986	1987	
21. Corporate income taxes paid by the forest industries	**$ 300**	**$ 406**	**$ 686**	**million**
Federal income taxes	175	225	402	
Provincial income taxes	126	182	284	

	1987	1988	1989	1990	
22. Capital and repair expenditures	**$ 5 952**	**$ 7 524**	**$ 8 942**	**$ 8 268**	**million**
Logging industry	563	602	612	646	
Wood industries	1 240	1 499	1 325	1 221	
Paper and allied industries	4 149	5 423	7 005	6 401	
All Canadian industries	140 185	155 590	169 920	180 084	

	1986	1987	1988	1989	
23. Forest industries contribution to Canadian gross domestic products	**3.5%**	**3.6%**	**3.5%**	**3.4%**	
Canadian gross domestic product at factor cost	$451 030	$491 252	$539 138	$580 515	million

	1986	1988	1989	
24. Transport	112	..	..	million t
Railways	35	36	35	
Trucking	44	..	..	
Marine traffic	33	43	..	

	Percent	Rank	Volume/value	
25. Canada's share in world forest economy, 1988				
Softwood growing stock	16%	2nd	17 834	million m^3
Industrial softwood roundwood production	14%	3rd	162 662	thousand m^3
Softwood lumber production	16%	3rd	59 611	thousand m^3
Wood pulp production	16%	2nd	23 550	thousand t
Newsprint production	31%	1st	9 969	thousand t
Value of exports of forest products	21%	1st	17 441	million US $

SECTION I

CANADIAN FOREST RESOURCES AND RELATED MANAGEMENT ACTIVITIES

Forest Biomass Inventory: The federal ENFOR program, in cooperation with Forestry Canada and provincial forestry agencies, completed the Forest Biomass Inventory to provide a better knowledge of forest biomass quantities, their form and location across Canada.

Forest Fire: The Forest Fire Statistics are reported by the provincial, territorial, and federal forest fire management agencies. Forestry Canada compiles annual statistics that primarily report the number of fires, their causes and the area of forest land that was burned.

Forest Insects and Diseases: The Forest Insect and Disease Survey (FIDS) is a nationally coordinated program of Forestry Canada's six regional FIDS units and the FIDS Technology Development Project. The program provides perspectives on insects and diseases, as well as acid rain, to forest managers, quarantine agencies, researchers, educators, and the public. In cooperation with those responsible for improving forest inventory and economic data in Canada, the survey is attempting to provide more quantitative and interpretive data on damage and depletion caused by forest pests.

Forest Inventory: Through the Canadian Forest Inventory Committee, Forestry Canada works in close cooperation with provincial and territorial forest management agencies, to make recommendations on forest inventory procedures, and to acquire data for national area and volume summaries on topics such as ownership, status, productivity, site quality, stocking, disturbance, age, forest types and species groups. The federal ENFOR program, in cooperation with Forestry Canada and provincial forestry agencies, completed the INVENTORY OF FOREST BIOMASS to provide above-ground forest biomass to the wood volume estimates. The forest inventories are available from the CANADIAN FOREST RESOURCE DATA SYSTEM.

Forest Management Expenditures: The Forest Management Expenditures Survey is a co-operative effort between the Canadian Pulp and Paper Association and Forestry Canada. It provides information on the level of funding for forest management activity by government and the forest industry in Canada. In this context, forest management includes the whole range of activities from regeneration to stand improvement, protection, research, and support services, such as forest inventory and nursery infrastructure. Resource access is also included.

Forest Tree Production: The Forest Tree Production Survey deals with the operations of federal, provincial, industrial, and private commercial production centres producing bare-root and containerized forest tree seedlings primarily for reforestation of harvested land. It is prepared with the assistance of representatives of provincial forestry agencies, the forest industry, and private sector growers across Canada.

Silviculture: Responsibility for silviculture practice in Canada is increasingly delegated to forest industry by the provincial forest management agencies. The federal role, coordinated by Forestry Canada, is supportive through silviculture research, technology transfer, and financial assistance for reforestation, stand tending, and pest control programs under specific federal-provincial agreements. Data for national summaries are collected using a questionnaire completed by provincial forestry personnel.

i - 1. Area Classification by Class and Province, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada[a]
A. Forest land							1 000 000 ha								
Inventoried	22.48[b]	0.29	4.04	6.34	33.15	82.49	46.60	25.12	23.71	37.75	86.58	60.31	27.37	61.44	397.92
Productive	11.18	0.28	3.85	6.09	21.39	54.79	38.29	14.92	15.89	25.44	56.25	51.10	7.56	14.32	243.70
Reserved	0.07	..	0.10	0.03	0.20	0.35	1.47	0.73	1.07	2.45	4.25	2.02	0.07	0.58	8.93
Nonreserved	11.10	0.28	3.75	6.07	21.20	54.39	36.77	14.19	14.82	21.46	50.48	49.09	7.49	13.74	233.15
Stocked	10.39	0.26	3.58	6.05	20.28	51.85	32.68	12.62	13.31	20.64	46.57	45.05	6.24	13.74	216.41
Fully	1.98	0.22	0.01	2.38	4.58	..	26.07	11.34	8.63	17.83	37.81	45.05	2.22	4.26	119.99
Partially	0.36	0.02	--	0.12	0.51	..	6.60	1.28	2.24	1.14	4.66	-	3.05	8.74	23.55
Unquantified	8.05	0.02	3.58	3.55	15.20	51.85	0.01	..	2.44	1.67	4.11	--	0.97	0.74	72.88
Nonstocked	0.71	0.01	0.16	0.02	0.90	2.54	4.08	1.57	1.50	0.82	3.89	4.04	1.25	0.01	16.71
Unclassified	..	..	..	..	..	0.05	0.05	..	..	1.53	1.53	..	..	..	1.63
Unproductive	11.30	0.02	0.19	0.24	11.75	27.70	8.32	10.20	7.80	11.82	29.82	9.19	19.63	44.35	150.76
Unspecified productivity	..	..	..	..	..	..	..	..	0.02	0.49	0.51	0.02	0.17	2.77	3.47
Not inventoried	-	-	-	-	-	11.50	34.10	9.80	-	-	9.80	-	-	-	55.40
Total[a]	22.48	0.29	4.04	6.34	33.15	94.00	80.70	34.92	23.71	37.75	96.38	60.31	27.37	61.50	453.32
B. Other lands, water and total area															
Nonforest land	14.69	0.28	1.24	0.87	17.08	41.68	8.42	19.92	33.36	26.69	79.97	32.66	20.53	267.86	468.22
Agricultural	0.04	0.27	0.42	0.41	1.14	3.64	5.65	7.74	26.60	20.66	55.00	2.41	-	-	67.83
Other	14.65	0.01	0.82	0.46	15.94	38.04	2.77	12.18	6.76	6.03	24.97	30.25	20.53	267.86	400.39
Total land[a]	37.17	0.57	5.28	7.21	50.23	135.68	89.12	54.84	57.07	64.44	176.35	92.97	47.90	329.36	921.54
Water	3.40	-	0.27	0.14	3.81	18.39	17.74	10.16	8.16	1.68	20.00	1.81	0.45	13.33	75.52
Total area[a]	40.57	0.57	5.55	7.34	54.03	154.07	106.86	65.00	65.23	66.12	196.35	94.78	48.35	342.63	997.06
C. Biomass on nonreserved forest land (1 000 000 t)															
Productive	347	29	315	532	1 223	3 660	3 086	747	638	1 916	3 301	8 798	189	442	20 700
Unproductive	424	1	10	10	445	621	1 123	364	432	230	1 026	708	11	672	4 606
Total	770	30	325	542	1 667	4 281	4 209	1 111	1 070	2 146	4 327	9 506	199	1 114	25 306

[a]Total may not add up due to rounding.
[b]1 hectare = 10 000 m^2 and 1 km^2 = 100 hectares.

Sources: Canada's Forest Inventory 1986, Inventory of Forest Biomass in Canada 1985, Forestry Canada. Census of Agriculture 1986, Statistics Canada.

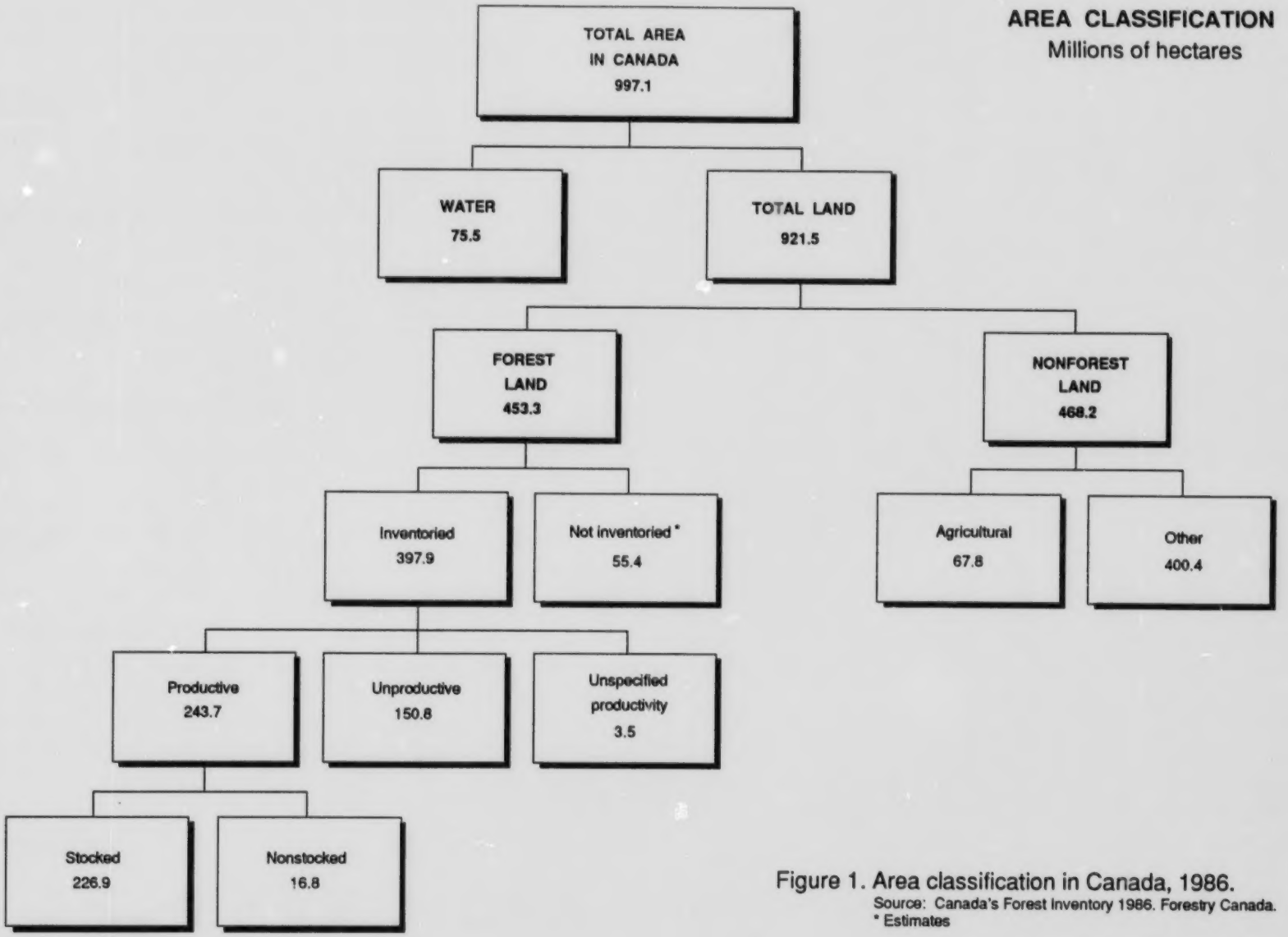

Figure 1. Area classification in Canada, 1986.
Source: Canada's Forest Inventory 1986. Forestry Canada.
* Estimates

I - 2. Inventoried Forest Land by Ownership, Class, and Province, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada[a]
A. Inventoried forest land							1 000 000 ha								
Federal	0.10	--	0.11	0.16	0.37	0.23	0.32	0.39	0.50	3.53	4.42	0.57	27.37	61.44	94.72
Provincial	21.79	0.02	1.09	3.09	25.99	75.33	39.72	23.45	22.78	32.99	79.22	57.70	..	..	277.92
Private-industrial	0.50	..	0.90	0.59	1.99	0.43	0.89	..	..	..	..	..	..	..	3.31
Private-nonindustrial	0.08	0.27	1.93	1.00	3.29	3.80	5.63	1.17	0.24	..	1.40	2.02	..	..	16.14
Private-unspecified	0.01	..	..	1.50	1.51	2.70	..	..	0.19	1.12	1.30	0.02	..	..	5.53
Municipal	-	..	..	..	..	..	..	0.12	..	0.01	0.13	..	..	..	0.13
Unclassified	--	..	..	..	--	-	0.05	..	..	0.10	0.10	..	..	..	0.15
Total[a]	**22.48**	**0.29**	**4.04**	**6.34**	**33.15**	**82.49**	**46.60**	**25.12**	**23.71**	**37.75**	**86.58**	**60.31**	**27.37**	**61.44**	**397.92**
B. Inventoried productive forest land															
Federal	0.06	--	0.11	0.15	0.33	0.22	0.25	0.34	0.46	1.75	2.55	0.47	7.56	14.32	25.71
Provincial	10.71	0.02	1.02	2.96	14.71	47.97	32.34	13.49	15.03	22.66	51.18	48.65	..	..	194.85
Private-industrial	0.35	..	0.84	0.57	1.76	0.42	0.79	..	..	..	..	..	..	..	2.97
Private-nonindustrial	0.05	0.26	1.87	0.97	3.15	3.64	4.87	0.99	0.20	..	1.19	1.96	..	..	14.80
Private-unspecified	--	..	..	1.44	1.45	2.55	..	..	0.19	0.93	1.12	0.02	..	..	5.14
Municipal	..	..	..	..	..	..	..	0.10	..	0.01	0.11	..	..	..	0.11
Unclassified	--	..	..	..	--	..	0.05	..	..	0.09	0.09	..	..	..	0.14
Total[a]	**11.18**	**0.28**	**3.85**	**6.09**	**21.39**	**54.79**	**38.29**	**14.92**	**15.89**	**25.44**	**56.25**	**51.10**	**7.56**	**14.32**	**243.70**
C. Inventoried productive nonreserved forest land															
Federal	--	--	0.02	0.12	0.15	0.08	0.25	0.10	0.14	0.03	0.27	0.27	7.49	13.74	22.24
Provincial	10.70	0.02	1.02	2.96	14.70	47.70	30.87	13.01	14.29	20.49	47.79	46.84	..	..	187.90
Private-industrial	0.35	..	0.84	0.57	1.76	0.42	0.79	..	..	..	..	..	..	..	2.97
Private-nonindustrial	0.05	0.26	1.87	0.97	3.14	3.64	4.87	0.99	0.20	..	1.19	1.96	..	..	14.80
Private-unspecified	--	..	..	1.44	1.45	2.55	..	..	0.19	0.93	1.12	0.02	..	..	5.14
Municipal	-	..	..	..	..	..	..	0.10	..	0.01	0.11	..	..	..	0.11
Total[a]	**11.10**	**0.28**	**3.75**	**6.07**	**21.20**	**54.39**	**36.77**	**14.19**	**14.82**	**21.46**	**50.48**	**49.09**	**7.49**	**13.74**	**233.15**
D. Inventoried, stocked, productive, nonreserved forest land															
Federal	--	--	--	0.12	0.12	0.08	0.24	0.09	0.13	0.03	0.25	0.24	6.24	13.73	20.90
Provincial	10.00	0.02	0.95	2.95	13.92	45.55	27.76	11.47	12.79	19.67	43.93	43.06	..	..	174.22
Private-industrial	0.34	..	0.82	0.56	1.72	0.41	0.64	..	..	..	..	..	..	..	2.77
Private-nonindustrial	0.05	0.25	1.79	0.96	3.05	3.40	4.04	0.97	0.20	..	1.17	1.72	..	..	13.38
Private-unspecified	--	..	..	1.44	1.44	2.41	..	..	0.19	0.93	1.12	0.02	..	..	4.99
Municipal	-	..	..	..	..	..	..	0.09	..	0.01	0.10	..	..	..	0.10
Total[a]	**10.39**	**0.26**	**3.58**	**6.05**	**20.28**	**51.85**	**32.68**	**12.62**	**13.31**	**20.64**	**46.57**	**45.05**	**6.24**	**13.74**	**216.41**

[a]Total may not add up due to rounding.

Source: Canada's Forest Inventory 1986. Forestry Canada.

I - 3. Gross Merchantable Wood on Inventoried, Stocked, Productive, Nonreserved Forest Land by Province, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada[a]
A. Maturity class (1 000 000 ha)															
Regeneration	2.76	0.02	0.43	0.53	3.74	7.38	1.18	1.21	1.07	1.85	4.13	1.69	0.95	0.74	19.79
Immature	0.61	..	2.15	2.66	5.42	9.20	12.33	8.96	5.37	8.93	23.26	15.00	3.96	8.59	77.76
Mature	1.15	..	0.77	2.67	4.59	22.67	11.56	2.17	1.36	6.98	10.51	28.28	1.33	4.39	83.33
Overmature	0.99	..	0.02	0.19	1.19	..	7.61	0.29	1.08	2.88	4.25	0.08	..	0.02	13.14
Uneven-aged	..	..	0.21	0.01	0.22	0.15	0.01	..	..	..	..	-	..	..	0.37
Unclassified	4.89	0.25	..	..	5.14	12.45	0.01	..	4.44	-	4.44	..	..	..	22.04
Total[a]	**10.39**	**0.26**	**3.58**	**6.05**	**20.28**	**51.85**	**32.68**	**12.62**	**13.31**	**20.64**	**46.57**	**45.05**	**6.24**	**13.74**	**216.41**
B. Maturity class (1 000 000 m^3)															
Regeneration	..	..	1	-	1	119	1	..	9	1	10	9	..	..	140
Immature	-	..	147	210	357	734	930	390	443	716	1 549	1 604	308	144	5 625
Mature	123	..	79	344	546	2 167	1 465	246	165	1 330	1 742	7 226	172	301	13 619
Overmature	122	..	3	17	142	..	1 132	43	163	608	814	28	..	1	2 117
Uneven-aged	..	..	15	1	15	18	1	..	..	..	..	..	..	..	34
Unclassified	280	26	..	..	306	1 187	..	..	125	--	125	..	--	..	1 618
Total	**525**	**26**	**244**	**571**	**1 366**	**4 225**	**3 529**	**680**	**905**	**2 656**	**4 240**	**8 867**	**480**	**446**	**23 154**
C. Species group (1 000 000 m^3)															
Softwoods	**487**	**16**	**150**	**362**	**1 015**	**3 020**	**2 205**	**444**	**536**	**1 684**	**2 664**	**8 180**	**436**	**315**	**17 834**
Spruce	107	10	85	168	370	1 774	1 335	264	205	920	1 389	1 958	320	..	7 146
Pine	--	--	12	23	36	246	578	158	130	695	984	2 162	82	..	4 087
Fir	117	5	43	120	285	884	188	10	13	47	70	1 400	..	..	2 827
Hemlock	..	--	8	7	15	28	17	..	..	..	..	1 217	..	..	1 278
Cedar and other conifers	..	1	--	39	40	85	72	1	..	..	1	688	..	..	885
Douglas-fir	..	..	..	..	..	..	..	..	..	2	2	694	..	..	696
Larch	3	1	2	4	10	4	15	10	4	3	17	60	..	..	105
Unspecified	260	..	..	..	260	..	..	..	184	16	200	..	34	315	808
Hardwoods	**38**	**10**	**94**	**209**	**351**	**1 204**	**1 325**	**236**	**370**	**972**	**1 578**	**688**	**44**	**131**	**5 320**
Aspen/poplar	3	2	7	42	53	295	685	201	289	822	1 311	599	36	..	2 979
Birch	26	2	23	57	108	529	361	20	22	33	75	50	3	..	1 126
Maple	--	5	54	87	147	297	200	..	1	..	1	7	..	..	652
Unspecified	10	1	10	24	44	84	79	15	58	117	191	32	6	131	566
Total	**525**	**26**	**244**	**571**	**1 366**	**4 225**	**3 529**	**680**	**905**	**2 656**	**4 241**	**8 867**	**480**	**446**	**23 154**

[a]Total may not add up due to rounding.

Source: Canada's Forest Inventory 1986. Forestry Canada

I - 4. Gross Merchantable Wood on Inventoried, Mature and Overmature, Stocked, Productive, Nonreserved Forest Land by Province, 1986

	Nfld.	P.E.I.[a]	N.S.	N.B.	Atlantic provinces	Que.[a]	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada[b]
A. Species group on mature/ overmature (1 000 000 ha)	**2.13**	..	**0.79**	**2.86**	**5.78**	**22.67**	**19.16**	**2.45**	**2.44**	**9.86**	**14.75**	**28.37**	**96.49**
Softwoods	**2.00**	..	**0.33**	**1.43**	**3.76**	..	**12.10**	**1.40**	**1.49**	**5.92**	**8.87**	**26.41**	**51.11**
Spruce	0.93	..	..	0.45	1.38	..	8.39	0.76	0.82	3.65	5.23	6.26	21.25
Pine	-	..	..	0.03	0.03	..	2.36	0.65	0.66	2.22	3.53	8.87	14.78
Fir	1.07	..	..	0.19	1.26	..	0.91	0.03	--	0.02	0.05	4.45	6.67
Hemlock	..	..	..	--	--	..	0.07	..	..	..	..	3.14	3.21
Douglas-fir	..	..	..	..	..	..	..	..	..	0.01	0.01	1.54	1.55
Larch	--	..	..	0.01	0.01	..	0.05	0.01	0.01	0.02	0.04	0.08	0.17
Unspecified	..	..	0.33	0.75	1.08	..	0.33	--	..	..	--	2.07	3.48
Hardwoods	**0.13**	..	**0.20**	**0.72**	**1.05**	..	**7.06**	**1.01**	**0.95**	**3.94**	**5.90**	**1.95**	**15.96**
Poplar	--	..	..	..	--	..	3.47	0.76	0.93	1.05	2.74	1.84	8.05
Birch	0.13	..	..	..	0.13	..	2.18	0.01	0.02	0.01	0.04	0.09	2.43
Maple	..	..	..	..	..	..	1.10	0.02	-	..	0.02	--	1.12
Unspecified	..	..	0.20	0.72	0.92	..	0.31	0.23	-	2.89	3.12	0.01	4.36
Unclassified	..	..	**0.27**	**0.71**	**0.98**	**22.67**	--	..	--	--	--	--	**29.39**
B. Species group on mature/ overmature (1 000 000 m^3)	**245.23**	..	**81.76**	**360.67**	**687.66**	**2 166.50**	**2 597.54**	**289.59**	**328.59**	**1 937.91**	**2 556.09**	**7 254.28**	**15 736.45**
Softwoods	**230.20**	..	**37.64**	**202.09**	**469.93**	..	**1 555.04**	**164.52**	**180.75**	**1 217.21**	**1 562.48**	**6 819.33**	**10 406.76**
Spruce	99.41	..	..	65.12	164.53	..	1 042.12	87.98	98.86	664.13	850.97	1 560.59	3 618.22
Pine	0.01	..	..	5.01	5.02	..	377.57	72.23	80.76	546.11	699.10	1 858.04	2 939.73
Fir	130.69	..	..	33.16	163.85	..	89.96	3.62	0.53	3.91	8.06	1 038.76	1 300.63
Hemlock	..	..	..	0.41	0.41	..	9.68	..	..	..	..	1 304.18	1 314.26
Douglas-fir	..	..	..	..	..	..	..	..	..	1.69	1.69	390.39	392.07
Larch	0.09	..	..	1.03	1.12	..	4.50	0.60	0.60	1.37	2.57	18.19	26.37
Unspecified	..	..	37.64	97.36	135.00	..	31.21	0.09	..	..	0.09	649.18	815.48
Hardwoods	**15.03**	..	**17.95**	**87.53**	**120.51**	..	**1 042.42**	**125.06**	**147.84**	**720.48**	**993.38**	**434.88**	**2 591.20**
Aspen/poplar	0.37	..	..	..	0.37	..	673.41	95.86	145.76	183.29	424.91	415.09	1 513.79
Birch	14.66	..	..	..	14.66	..	188.05	0.58	2.06	0.77	3.41	14.33	220.45
Maple	..	..	..	..	..	..	148.54	2.03	0.02	..	2.05	1.73	152.32
Unspecified	..	..	17.95	87.53	105.48	..	32.42	26.59	-	536.42	563.01	3.73	704.64
Unclassified	..	..	**26.16**	**71.07**	**97.23**	**2 166.50**	**0.09**	..	**0.02**	**0.23**	**0.25**	**0.07**	**2 738.48**

[a]No data.
[b]Includes unclassified species in Yukon (1.33 million ha, 172.39 million m^3) and Northwest Territories (4.41 million ha and 301.96 million m^3).

Source: Canada's Forest Inventory 1986. Forestry Canada.

I - 5. Silviculture Statistics by Province, 1975-1988

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
A. Area harvested														
Clear-cut (ha)	1975	15 700[e]	1 600[e]	27 260	94 400[e]	104 609[e]	140 896	15 700[e]	17 500	20 256	133 277	112	-	**571 310**
	1980	15 175	2 500[e]	35 000[e]	85 900[e]	199 920[e]	217 157	24 600[e]	16 930	23 562[b]	156 786	58	-	**777 588**
	1981	13 454	2 700[e]	35 000[e]	65 500[e]	204 000[e]	202 786	18 900	18 280	20 934[b]	125 148	45	-	**706 747**
	1982	8 000	2 700[e]	35 000[e]	72 445[e]	159 120[e]	200 337	20 400	15 830	27 287[b]	134 430	43	-	**675 592**
	1983	13 900	2 500[e]	20 100	77 490[e]	239 800[e]	153 086	14 100	19 690	32 739[b]	165 946	-	-	**739 351**
	1984	17 600	2 500[e]	29 900	78 850[e]	245 700[e]	187 319	15 700	21 910	28 121[b]	171 223	-	-	**798 823**
	1985	16 400	3 200[e]	28 800	82 720[e]	242 150[e]	185 172	15 900	19 693	33 825[b]	185 549	-	-	**813 409**
Total harvesting (ha)	1975	15 700[e]	1 600[e]	27 260	94 400[e]	135 094[e]	196 760[c]	15 700[e]	17 500	20 256	156 976	620	706	**682 572**
	1980	15 175	2 500[e]	36 439[e]	85 900[e]	245 000[d]	242 679[c]	24 600[e]	16 930	23 562[b]	187 834	58	742	**881 419**
	1981	13 454	2 700[e]	36 429[e]	65 500[e]	250 000[d]	227 603[c]	18 900	18 280	20 934[b]	147 889	45	903	**802 637**
	1982	8 000	2 700[e]	35 710[e]	72 445[e]	195 000[d]	222 921[c]	20 400	15 830	27 287[b]	162 172	43	427	**762 935**
	1983	13 900	2 500[e]	20 745[f]	81 570[e]	272 085[e]	183 208[c]	14 100	19 690	32 739[b]	188 228	321	870	**829 956**
	1984	17 600	2 500[e]	30 604[f]	83 000[e]	280 739[e]	217 806[c]	15 700	21 910	28 121[b]	198 453	561	1 075	**896 069**
	1985	16 400	3 200[e]	29 778[f]	87 070[e]	266 180[e]	217 984[c]	15 900	19 693	33 825[b]	210 397	135	990	**901 552**
	1986	16 529	3 400	33 250	85 780	360 000	223 517	11 128	19 356	38 609	226 464	299	400	**1 018 732**
	1987	16 617	3 900	40 750	87 547	317 000	228 464	12 362	25 742	39 699	238 969	1 172	672	**1 012 894**
	1988	17 000	3 900	42 000	87 200	315 000	237 188	12 378	22 089	40 000	244 000	465	399	**1 021 619**
B. Area of site preparation														
Prescribed burning (ha)	1975	-	-	-	300	-	-	-	-	-	60 615	-	-	**60 915**
	1980	115	-	-	656	-	2 362	-	-	217	26 896	-	-	**30 246**
	1981	76	-	129	2 284	-	2 409	-	-	-	18 372	-	-	**23 270**
	1982	8	-	65	1 952	-	5 277	-	-	-	29 993	-	-	**37 295**
	1983	8	-	2 088	50	-	4 501	-	-	-	34 457	-	-	**41 104**
	1984	414	-	2 644	-	56	3 830	-	-	-	39 713	-	-	**46 657**
	1985	225	-	77	-	246	8 461	-	-	-	44 090	-	-	**53 099**
	1986	-	-	-	-	-	11 346	-	-	-	72 203	-	-	**83 549**
	1987	-	16	-	-	-	11 390	-	-	-	102 674	-	-	**114 080**
	1988	-	-	-	-	-	4 259	-	-	-	72 742	-	-	**77 001**

I - 5. Silviculture Statistics by Province, 1975-1983 (continued)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
B. Area of site preparation (continued)														
Scarification (ha)	1975	-	-	595	9 800	3 008	45 231	3 965	2 973	17 537	13 194	-	-	96 303
	1980	235	566	1 952	16 591[g]	6 993	50 624	3 836	7 633	12 802	20 529	-	-	121 761
	1981	1 097	280	1 879	20 374[h]	6 904	51 683	4 161	8 634	13 568	20 758	-	-	129 338
	1982	1 782	412	1 118	12 231	11 792	60 527	3 627	11 141	16 611	18 892	-	-	138 133
	1983	1 840	485	1 038	10 570	16 088	66 476	3 951	6 901	19 607	25 251	-	-	152 207
	1984	2 855	1 228	1 297	8 862	27 036	73 893	3 838	6 831	18 082	28 276	-	-	172 198
	1985	1 880	1 110	-	9 293	43 201	83 283	4 821	7 481	19 404	15 412	-	-	185 885
	1986	785	1 176	12 606	12 981	73 308	85 588	1 068	2 048	22 368	50 809	-	-	262 737
	1987	2 105	1 574	14 660	16 778	75 960	90 773	1 633	2 032	28 963	56 648	-	-	291 126
	1988	2 659	1 049	15 450	15 318	85 332	86 887	1 752	2 607	31 954	60 618	-	-	303 626
Total site preparation (ha)[i]	1975	-	-	595	10 100	3 008	45 231	3 965	3 918	17 537	73 809	-	-	158 163
	1980	379	566	8 010	24 926	13 903	56 620	4 055	7 633	13 019[j]	65 194	-	-	194 305
	1981	1 317	289	8 845	27 384	16 152	57 157	4 161	8 634	13 568[j]	54 893	-	-	192 400
	1982	1 856	511	7 410	18 601	14 800	70 984	3 627	11 141	16 611[j]	62 631	-	-	208 172
	1983	1 848	579	6 263	11 132	21 940	78 142	4 338	6 901	19 607[j]	73 439	-	-	224 189
	1984	3 769	1 485	7 984	8 862	29 902	86 932	4 839	6 831	18 082[j]	84 413	-	-	253 099
	1985	3 446	1 371	12 025	9 293	50 906	98 953	6 674	7 481	19 404[j]	91 421	-	-	300 974
	1986	785	1 200	12 606	12 981	89 400	110 152	7 629	5 786	22 368	133 709	-	-	396 616
	1987	2 313	1 590	14 660	16 778	105 500	116 226	7 100	8 721	28 963	177 024	-	-	478 875
	1988	3 453	1 070	15 450	15 318	109 400	106 479	7 619	8 301	31 954	151 546	-	-	450 590
C. Area planted														
Bare-root area (ha)	1975	-	40[e]	980	5 300	15 905	27 284	573	3 622	1 818	50 440	-	-	105 962
	1980	200	176	1 245	8 943	13 828	27 146	567	5 006	523	42 265	-	-	99 899
	1981	1 074	25	2 567	7 071	14 733	31 473	3 445	3 278	4 152	31 577	-	-	99 395
	1982	-	73	1 331	7 922	15 696	30 278	1 817	5 198	4 857	34 217	-	-	101 389
	1983	919	162	1 605	1 838	21 345	30 023	1 424	5 597	4 899	47 948	-	-	115 760
	1984	1 514	117	1 285	2 313	20 036	25 752	863	4 858	2 734	44 685	-	-	104 157
	1985	1 273	179	1 786	1 573	26 958	33 391	1 398	5 276	2 701	43 640	-	-	118 175
	1986	195	74	2 650	20 517	24 562	33 088	871	4 079	5 600	22 578	-	-	114 214
	1987	1 972	97	3 157	18 916	29 008	37 872	2 961	2 908	5 033	31 168	-	-	133 092
	1988	1 823	134	1 952	19 123	28 726	38 649	3 710	6 276	5 094	16 486	-	-	121 973

I - 5. Silviculture Statistics by Province, 1975-1988 (continued)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
C. Area planted (continued)														
Bare-root seedlings (000)	1975	-	100[e]	2 495	13 096	36 582	45 984[e]	1 335	5 242	2 273	58 257	-	-	**165 364**
	1980	500	381	2 570	19 835	34 573	65 360	1 164	9 480	799	49 737	-	-	**184 399**
	1981	2 243	63	6 915	16 376	35 221	69 448	4 000	6 165	6 084	37 173	-	-	**183 688**
	1982	-	177	3 673	11 250	37 579	63 660	3 772	10 181	6 220	40 261	-	-	**176 773**
	1983	2 101	452	4 682	3 414	53 354	65 754	3 555	10 802	6 474	54 860	-	-	**205 448**
	1984	4 009	315	3 521	4 910	50 081	49 661	2 236	9 207	3 217	51 794	-	-	**178 951**
	1985	2 859	407	4 748	3 257	67 394	67 232	3 402	9 785	3 732	48 072	-	-	**210 888**
	1986	487	215	7 068	48 203	56 784	69 301	2 144	7 281	7 425	27 442	-	-	**226 350**
	1987	4 931	281	8 672	45 714	65 550	84 454	6 966	5 327	6 932	37 196	-	-	**266 023**
	1988	4 558	392	4 848	45 620	65 598	81 843	8 461	9 416	6 834	19 478	-	-	**247 048**
Container area (ha)	1975	-	80[e]	445	1 375	-	2 766	543	41	4 198	12 638	-	-	**22 086**
	1980	160	247	2 496	13 095	13	4 934	195	784	8 727	21 410	-	-	**52 061**
	1981	779	465	2 518	15 050	1 142	6 634	689	735	7 197	35 028	-	-	**70 237**
	1982	802	402	2 918	14 536	1 381	7 564	386	845	6 644	48 578	-	-	**84 056**
	1983	917	372	2 415	18 147	4 564	18 148	396	773	7 425	46 778	-	-	**99 935**
	1984	913	456	3 651	17 093	9 188	37 242	845	-	11 061	55 347	-	-	**135 796**
	1985	1 489	715	4 798	17 880	12 169	38 693	2 771	-	6 528	57 802	-	-	**142 845**
	1986	584	456	6 487	-	33 918	40 769	3 275	403	9 099	90 313	-	-	**185 304**
	1987	3 085	593	6 708	-	47 329	35 381	2 733	202	8 246	132 876	-	-	**237 153**
	1988	2 417	826	9 528	-	70 329	42 376	3 160	744	13 564	148 374	-	-	**291 318**
Container seedlings (000)	1975	-	200[e]	1 [illegible]00	3 398	-	4 791[e]	1 266	90	5 247	14 564	-	-	**30 656**
	1980	398	588	5 514	30 951	29	10 497	400	1 235	10 528	25 235	-	-	**85 375**
	1981	1 625	1 150	6 906	36 061	2 456	13 951	800	1 359	8 731	41 127	-	-	**114 166**
	1982	1 803	996	7 541	28 842	2 881	16 465	800	1 571	7 913	57 442	-	-	**126 254**
	1983	2 001	1 042	7 037	39 276	10 118	39 211	1 038	340	10 114	53 518	-	-	**163 695**
	1984	2 194	1 231	9 859	36 363	22 062	76 656	2 274	-	13 058	64 161	-	-	**227 858**
	1985	3 075	1 625	12 759	37 589	29 147	79 530	6 022	-	8 233	63 672	-	-	**241 652**
	1986	1 460	1 323	17 304	-	78 416	85 389	8 067	720	12 062	109 766	-	-	**314 507**
	1987	7 712	1 723	18 429	-	106 950	78 900	6 430	370	11 359	158 572	-	-	**390 445**
	1988	6 042	2 408	23 670	-	160 602	89 736	7 208	1 116	18 199	175 303	-	-	**484 284**

I - 5. Silviculture Statistics by Province, 1975-1988 (continued)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
C. Area planted (continued)														
Total area planted (ha)	1975	-	120[e]	1 425	6 675	15 905	30 050	1 116	3 663	6 016	63 078	-	-	**128 048**
	1980	360	423	3 741	22 038	13 841	32 080	762	5 790	9 250[k]	63 675	-	-	**151 960**
	1981	1 853	490	5 085	22 121	15 875	38 107	4 134	4 013	11 349[k]	66 605	-	-	**169 632**
	1982	802	475	4 249	22 458	17 077	37 842	2 203	6 043	11 501[k]	82 795	-	-	**185 445**
	1983	1 836	534	4 020	19 985	25 909	48 171	1 820	6 370	12 324[k]	94 726	-	-	**215 695**
	1984	2 427	573	4 936	19 406	29 224	62 994	1 708	4 858	13 795[k]	100 032	-	-	**239 953**
	1985	2 762	894	6 584	19 453	39 127	72 084	4 169	5 276	9 229[k]	101 442	-	-	**261 020**
	1986	779	530	9 137	20 517	58 480	73 857	4 146	4 482	14 699	112 891	-	-	**299 518**
	1987	5 057	690	9 865	18 916	76 337	73 253	5 694	3 110	13 279	164 044	-	-	**370 245**
	1988	4 240	960	11 480	19 123	99 055	81 025	6 870	7 020	18 658	164 860	-	-	**413 291**
Total seedlings planted (000)	1975	-	300[e]	3 595	16 494	36 582	50 775[e]	2 601	5 332	7 520	72 821	-	-	**196 020**
	1980	898	969	8 081	50 786	34 602	75 857	1 564	10 715	11 327	74 972	-	-	**269 771**
	1981	3 868	1 213	13 821	52 437	37 677	83 399	4 800	7 524	14 815	78 300	-	-	**297 854**
	1982	1 803	1 173	11 157	40 092	40 460	80 125	4 572	11 752	14 133	97 703	-	-	**302 970**
	1983	4 102	1 494	11 719	42 690	63 472	104 965	4 593	11 142	16 588	108 378	-	-	**369 143**
	1984	6 203	1 546	13 380	41 273	72 143	126 317	4 510	9 207	16 275	115 955	-	-	**406 809**
	1985	5 934	2 032	17 507	40 846	96 541	146 762	9 424	9 785	11 965	111 744	-	-	**452 540**
	1986	1 947	1 538	24 372	48 203	135 200	154 690	10 211	8 001	19 487	137 208	-	-	**540 857**
	1987	12 643	2 004	27 101	45 714	172 500	163 354	13 396	5 697	18 291	195 768	-	-	**656 468**
	1988	10 600	2 800	28 518	45 620	226 200	171 579	15 669	10 532	25 033	194 781	-	-	**731 332**
D. Area of direct seeding (ha)	1975	-	-	-	125	5 693	23 510	223	-	4 747	-	-	-	**34 298**
	1980	36	-	-	-	9 949	47 294	1 093	-	6 635[l]	-	-	-	**65 007**
	1981	54	-	-	172	9 525	27 869	272	-	4 701[l]	-	-	-	**42 593**
	1982	230	-	55	9	14 506	29 991	118	-	5 370[l]	-	-	-	**50 279**
	1983	-	-	-	-	6 116	21 246	697	-	8 974[l]	315	-	-	**37 348**
	1984	-	-	-	-	8 649	16 229	145	-	8 436[l]	284	-	-	**33 743**
	1985	-	-	-	-	1 002	18 894	-	-	6 293[l]	-	-	-	**26 189**
	1986	-	-	-	-	189	20 925	-	-	4 840	-	-	-	**25 954**
	1987	920	-	-	-	137	26 314	-	-	9 947	-	-	-	**37 318**
	1988	-	-	-	-	-	27 539	-	-	10 187	-	-	-	**37 726**

I - 5. Silviculture Statistics by Province, 1975-1988 (concluded)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
E. Area of stand tending (ha)	1975	213	-	1 334	-	..	33 277	562	12	143[n]	1 841	-	-	**37 382**
	1980	3 006	49	7 451	18 924	10 829	51 036	263	121	270[n]	30 877	-	-	**122 826**
	1981	4 248	353	9 264	17 618	12 686	41 444	-	404	701[n]	37 677	-	-	**124 395**
	1982	4 750	1 112	5 923	18 263	6 446[m]	54 506	-	260	624[n]	26 031	-	-	**117 915**
	1983	5 559	814	7 133	30 488	15 960	47 560	1 559	791	245[n]	15 739	-	-	**125 848**
	1984	6 205	707	13 115	40 040	21 220	69 994	4 592	1 817	510[n]	30 865	-	-	**189 065**
	1985	6 795	856	16 526	45 700	19 800	92 838	2 944	712	1 005[n]	29 416	-	-	**216 592**
	1986	6 789	385	18 576	38 313	14 468	91 048	1 023	605	825	73 499	-	-	**245 531**
	1987	6 215	377	14 685	48 483	22 658	88 319	2 046	112	321	92 271	-	-	**275 487**
	1988	5 381	216	12 337	53 114	29 343	88 492	1 140	1 142	2 797	75 347	-	-	**269 309**
F. Area of pest control (ha)	1975	-	-	-	2 695 000	2 800 000[e]	14 167	-	-	-	1 785	-	-	**5 510 952**
	1980	-	-	25 670	1 900 000	188 511	36 422	-	-	-	1 564	-	-	**2 152 167**
	1981	-	-	31 195	1 693 000	705 164	22 477	-	-	-	3 830	-	-	**2 455 666**
	1982	-	-	19 153	1 867 570	1 298 495	28 685	-	-	-	-	-	-	**3 213 903**
	1983	-	-	20 726	1 245 000	1 253 605	43 770	-	12	-	2 374	-	-	**2 565 487**
	1984	-	-	20 537	732 000	712 282	47 280	428	434	-	3 948	-	-	**1 516 909**
	1985	145 086	-	49 719	545 000	698 343	10 339	760	-	-	3 488	-	-	**1 452 735**

[a] Provincial Crown land only.
[b] From 1980-1981 to 1985-1986, an additional 39 631 ha were cleared of aspen under a special stand conversion program and were not harvested in the commercial sense.
[c] Other harvesting in uneven-aged stands. Figures do not include harvesting methods, termed as regeneration conducted in largely hardwood forests. Strip cutting, seed tree cutting, shelterwood cutting and clear-cutting covered an area of 139 956 ha from 1980-1981 to 1985-1986.
[d] Includes cutovers on private land.
[e] Estimated.
[f] Includes shelterwood harvesting.
[g] Includes 1 288 ha of burning and scarification.
[h] Includes 870 ha of burning and scarification and 108 ha of chemical treatment and scarification.
[i] Includes Other site preparation.
[j] From 1980-1981 to 1985-1986, an additional 40 359 ha were scarified under a special stand conversion program.
[k] From 1980-1981 to 1985-1986, an additional 41 259 ha were planted under a special stand conversion program.
[l] From 1980-1981 to 1984-1985, an additional 1 766 ha were directly seeded under a special stand conversion program.
[m] Precommercial thinning only. Data on other treatments are not available.
[n] Thinning only.

Sources: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada and unpublished figures 1986-1988. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

SILVICULTURE
Million hectares

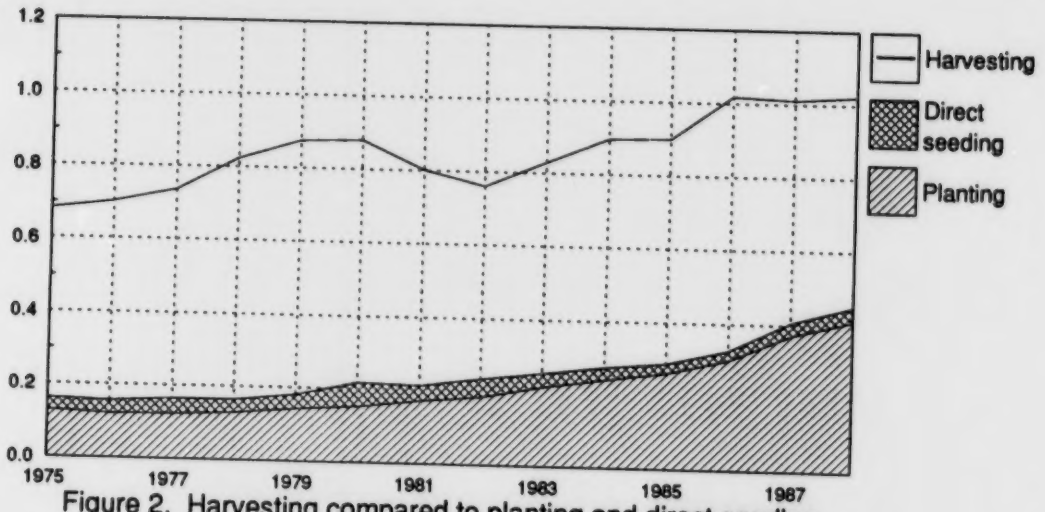

Figure 2. Harvesting compared to planting and direct seeding in Canada, 1975-1988.

Source: Kuhnke, D.H. Silviculture statistics for Canada: An 11-year summary. Forestry Canada and unpublished figures 1986-1988. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

SILVICULTURE
Thousand hectares

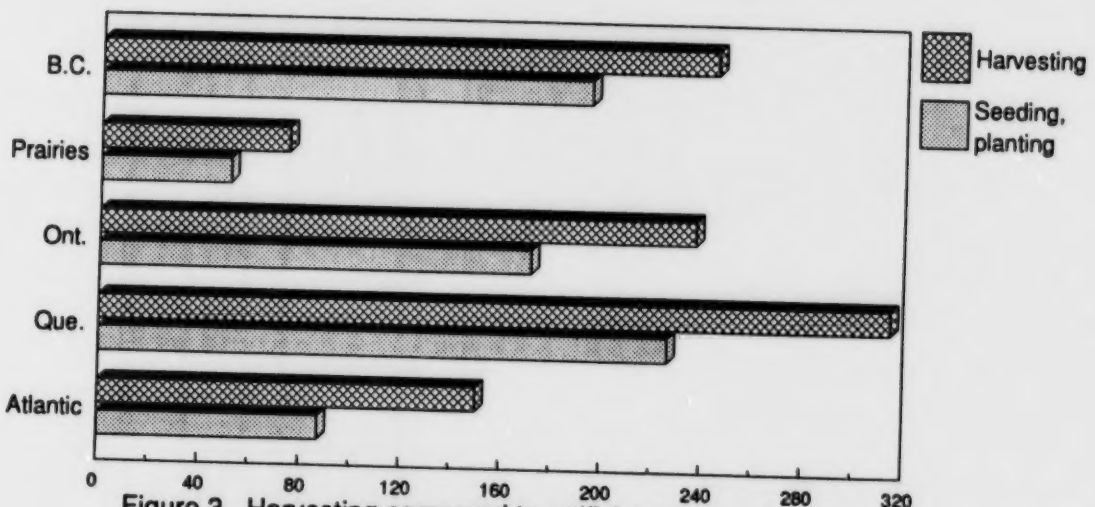

Figure 3. Harvesting compared to artificial regeneration by region, 1988.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada and unpublished figures 1986-1988. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

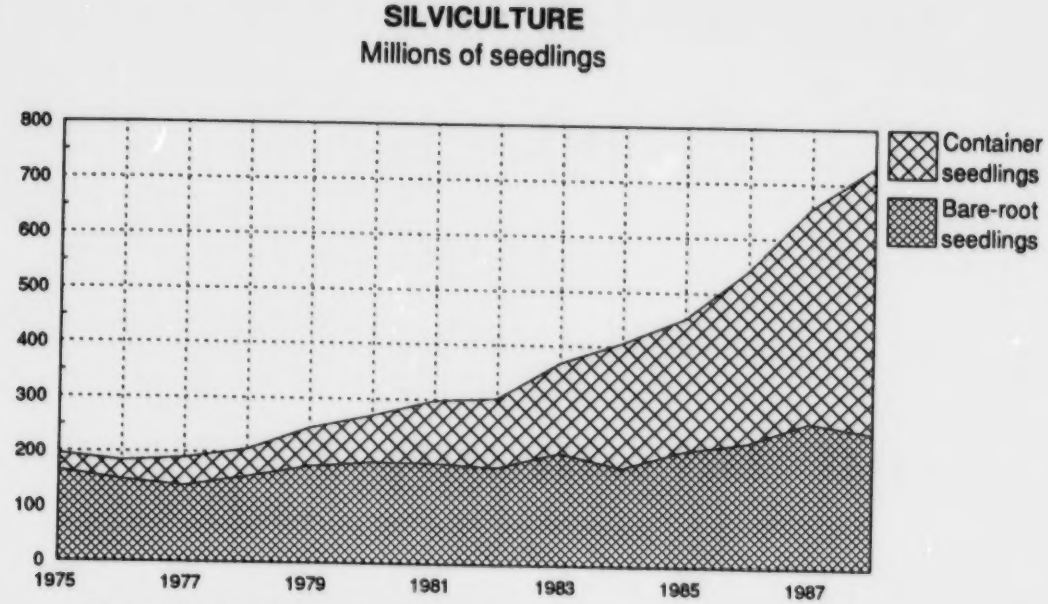

Figure 4. Artificial regeneration by stock type, 1975-1988.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada and unpublished figures 1986-1988. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

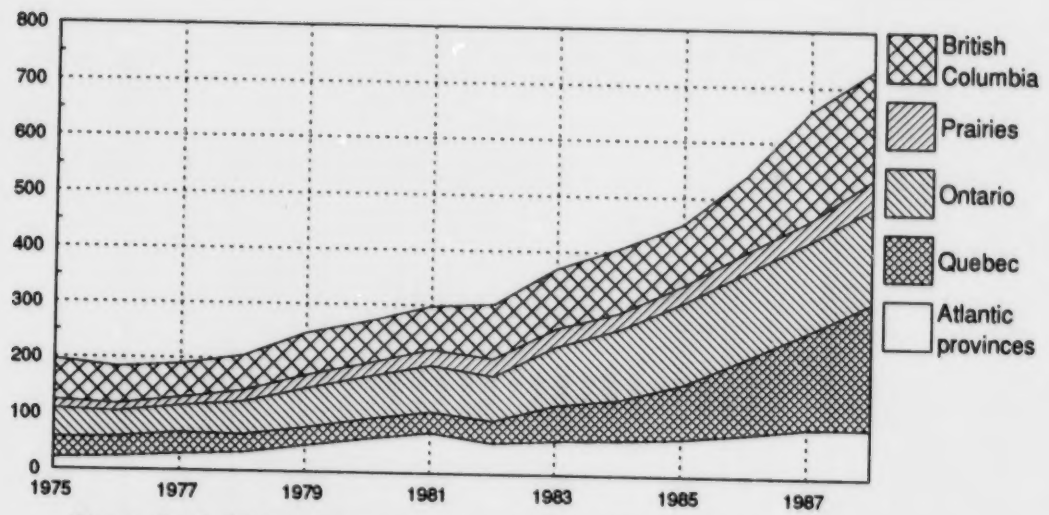

Figure 5. Artificial regeneration by region, 1975-1988.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada and unpublished figures 1986-1988. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

I - 6. Silviculture Treatments (Area) Performed Under Forest Economic, and Regional Development Agreements, 1984-1988[a]

	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.[b]	Ont.	Man.	Sask.	Alta.	B.C.	Canada
						hectares						
A. Site preparation	1984	-	648	4 857	224	-	39 475	447	3 986	-	-	49 637
	1985	-	1 483	8 343	1 652	65 754	14 855	588	5 261	-	14 270	112 206
	1986	772	1 416	11 611	1 168	81 682	53 069	2 050	2 269	1 608	19 253	174 898
	1987	2 113	1 600	14 275	1 339	90 956	29 494	1 436	5 280	3 670	29 211	179 374
	1988	5 658	264	10 300	2 414	82 971	19 959	1 177	7 137	504	28 326	158 710
B. Planting and direct seeding	1984	-	347	3 030	12 130	-	13 992	1	-	-	-	29 500
	1985	-	492	3 776	14 747	35 832	18 753	638	2 882	-	13 953	91 073
	1986	797	699	5 059	15 649	55 227	13 799	993	3 177	-	20 467	115 867
	1987	5 056	911	9 463	14 312	76 092	24 596	353	2 028	1 395	29 606	163 812
	1988	10 124	955	10 564	11 425	94 579	21 898	3 090	4 169	3 136	36 987	196 927
C. Stand tending	1984	-	1 037	11 580	5 378	-	8 806	618	56	-	-	27 475
	1985	-	1 160	16 762	24 183	14 561	10 605	339	764	30	5 546	73 950
	1986	6 788	1 217	17 299	8 758	16 119	28 751	642	629	55	34 587	114 845
	1987	6 002	1 256	19 697	9 215	29 076	22 707	1 563	298	6 328	59 265	155 407
	1988	11 496	171	11 692	13 857	38 793	13 512	610	1 047	7 828	59 852	158 858
D. Silviculture treatments[c]	1984	-	2 032	19 467	17 732	-	62 273	1 066	4 042	-	-	106 612
	1985	-	3 135	28 881	40 582	116 147	44 213	1 565	8 907	30	33 769	277 229
	1986	8 357	3 332	33 969	25 575	153 028	95 619	3 685	6 075	1 663	74 307	406 610
	1987	13 171	3 767	43 435	24 866	196 124	76 797	3 352	9 606	11 393	118 082	498 593
	1988	27 278	1 390	32 556	27 696	216 343	55 369	4 877	12 353	11 468	125 165	514 495
E. Pest control	1984	-	-	-	-	-	-	-	-	-	-	-
	1985	-	-	-	-	30 949	-	1 066	-	-	-	32 015
	1986	-	-	-	-	14 633	30	-	-	-	-	14 663
	1987	-	-	-	-	7 100	507	792	-	-	-	8 399
	1988	-	-	-	-	15 991	250	-	-	-	-	16 241

[a]1984 for fiscal year 1984-1985 ... 1988 for 1988-1989.
[b]Forest Development Subsidiary Agreement and Gaspe and Lower St. Lawrence Program.
[c]Excluding pest control.

Source: Kuhnke, D.H. Forest management statistics for Canada, 1977-1988: Silviculture statistics supplement. Forestry Canada.

I - 7. Silviculture Treatments (Value) Performed Under Forest Economic, and Regional Development Agreements, 1984-1988[a]

	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.[b]	Ont.	Man.	Sask.	Alta.	B.C.	Canada
						$000						
A. Site preparation	1984	-	140	716	43	-	8 350	140	489	-	-	9 878
	1985	-	309	1 265	270	13 299	1 122	176	777	-	3 506	20 724
	1986	142	281	2 015	193	18 699	8 231	396	275	2 023	9 416	41 671
	1987	413	340	2 400	257	23 782	4 703	241	841	937	9 934	43 850
	1988	460	65	2 235	295	27 038	4 059	197	1 040	67	9 504	44 961
B. Planting and direct seeding	1984	-	69	1 052	4 065	-	2 855	235	422	-	-	8 698
	1985	-	102	1 352	4 791	11 745	6 537	400	1 171	-	3 436	29 534
	1986	290	179	2 552	5 220	19 813	2 970	339	1 340	12	6 971	39 685
	1987	1 887	197	3 355	4 556	26 096	7 418	1 512	1 637	307	12 795	59 760
	1988	2 323	268	3 491	4 078	34 425	7 520	1 728	1 772	903	14 782	71 289
C. Stand tending	1984	-	474	2 260	2 954	-	1 173	587	11	-	-	7 458
	1985	-	602	4 110	5 210	6 571	1 966	148	240	54	2 151	21 051
	1986	3 639	610	5 005	4 923	6 108	4 923	291	240	23	7 439	33 199
	1987	2 745	718	5 564	6 122	10 229	5 277	1 597	78	560	24 059	56 947
	1988	2 418	64	4 230	7 106	14 818	3 661	535	278	638	23 496	57 243
D. Silviculture treatments[c]	1984	-	683	4 028	7 061	-	12 378	962	922	-	-	26 034
	1985	-	1 014	6 727	10 271	31 616	9 624	724	2 188	54	9 093	71 310
	1986	4 070	1 069	9 572	10 337	44 620	16 124	1 026	1 854	2 058	23 826	114 554
	1987	5 045	1 255	11 319	10 935	60 108	17 398	3 350	2 556	1 804	46 788	160 556
	1988	5 201	397	9 956	11 478	76 281	15 241	2 459	3 090	1 608	47 781	173 492
E. Pest control	1984	-	-	-	-	-	-	-	-	-	-	-
	1985	-	-	17	-	731	-	249	-	-	200	1 197
	1986	403	-	89	-	740	31	-	32	-	-	1 296
	1987	-	-	142	-	425	21	46	-	-	-	634
	1988	289	-	-	-	822	16	-	10	130	-	1 267

[a]1984 for fiscal year 1984-1985, ... 1988 for 1988-1989.
[b]Forest Development Subsidiary Agreement and Gaspe and Lower St. Lawrence Program.
[c]Excluding pest control.

Source: Kuhnke, D.H. Forest management statistics for Canada, 1977-1988: Silviculture statistics supplement. Forestry Canada.

I - 8. Forest Fire Statistics by Province, 1980-1989

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	National Parks	Canada
A. Number of fires[a]														
1980	60	16	439	389	947	1 779	1 082	743	1 348	1 743	150	345	100	**9 141**[b]
1981	131	40	449	275	1 114	1 656	712	965	1 522	2 737	91	311	142	**10 145**
1982	165	53	491	487	1 202	1 396	425	596	1 256	2 205	204	357	104	**8 941**
1983	138	55	332	456	1 653	2 244	535	437	756	1 705	198	337	84	**8 930**
1984	101	38	446	395	683	1 240	692	549	1 370	3 063	168	311	161	**9 217**
1985	289	52	583	851	880	887	346	520	939	3 604	110	150	146	**9 357**
1986	193	95	510	354	851	1 088	217	493	585	2 194	217	206	84	**7 087**
1987	287	52	590	653	992	1 923	519	980	1 238	3 477	125	374	94	**11 304**
1988	116	21	328	438	1 331	3 260	982	1 064	872	1 951	115	190	73	**10 741**
1989	192	29	425	392	1 167	2 430	1 147	1 020	795	3 520	244	613	131	**12 105**
B. Area burned - total forest land (ha)														
1980	954	67	953	2 815	31 573	560 325	514 292	1 348 792	672 460	65 578	130 781	1 214 396	279 164	**4 822 150**
1981	13 087	146	370	389	2 480	179 473	396 454	1 647 971	1 365 600	106 593	35 159	984 932	680 711	**5 413 365**
1982	4 392	131	617	6 537	7 970	3 892	15 444	64 586	679 683	348 693	254 891	302 150	8 605	**1 697 591**
1983	16 792	321	449	1 852	238 903	443 655	99 153	52 172	2 818	67 365	43 006	226 841	848	**1 194 175**
1984	7 743	202	598	580	3 082[c]	120 424	130 189	321 235	78 966	19 908	19 895	41 074	21 486	**765 382**
1985	153 115	181	1 077	4 144	2 697[c]	1 007	11 823	110 128	12 920	234 647	15 131	204 745	5 645	**757 260**
1986	108 831	512	833	39 099	197 226	145 561	10 342	13 159	2 692	16 927	90 568	321 710	2 663	**950 123**
1987	17 129	113	560	1 199	36 835	75 582	169 520	226 494	36 113	34 541	88 326	399 077	141	**1 085 630**
1988	1 780	17	335	1 978	275 722	390 706	485 653	81 100	14 538	11 482	6 310	66 079	331	**1 336 031**
1989	68 156	215	462	343	2 109 512[d]	403 886	3 281 300	470 510	6 411	25 381	328 347	577 585	834	**7 272 942**
C. Area burned - productive forest land (ha)														
1980	680	-	509	2 116	4 902	330 825	304 049	89 237	465 106	32 743	111 537	12 975	..	**1 354 679**
1981	2 893	22	153	..	2 170	40 817	220 336	..	943 768	57 277	12 735	25 643	..	**1 305 814**
1982	4 392	25	..	5 304	7 202	297	7 094	..	457 987	280 676	68 127	2 536	..	**833 640**
1983	107	50	80	1 315	206 952	74 663	66 962	9 478	1 216	32 848	14 805	1 188	..	**409 664**
1984	1 565	8	164	270	2 397[c]	2 219	51 099	47 281	35 259	12 227	6 995	134	21 366	**180 984**
1985	40 457	4	186	1 301	1 952[c]	127	5 367	9 020	3 820	54 231	11 407	6	4 927	**132 805**
1986	23 511	85	312	37 216	173 296	50 598	5 495	4 031	1 587	9 474	3 132	11	2 663	**311 411**
1987	10 622	16	236	895	27 849	5 461	90 550	129 332	24 295	22 308	1 150	10	141	**312 865**
1988	7	..	50	1 694	273 066	35 994	295 981	24 187	5 149	3 284	288	3	..	**639 703**
1989	2 651	-	122	280	2 108 206[e]	4 990	1 653 583	137 404	2 994	11 089	70 439	-	..	**3 991 758**

I - 8. Forest Fire Statistics by Province, 1980-1989 (concluded)

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	National Parks	Canada
D. Fire control expenditure - budgeted costs ($000)														
1980	3 250	..	1 924	339	19 170	20 708	3 031	790	7 829	7 718	2 855	3 750	–	71 384[b]
1981	2 400	9	1 226	425	20 775	26 800	1 000	780	22 198	6 995	4 428	3 800	2 629	93 465
1982	3 300	25	585	486	19 800	24 800	8 461	1 082	32 684	6 456	3 792	4 200	1 385	107 056
1983	3 428	24	624	1 072	23 200	24 500	8 500	8 000	19 075	50 000	5 746	9 667	1 649	155 485
1984	1 735	30	..	1 186	22 800	26 000	7 600	9 020	19 658	46 000	5 900	5 495	2 240	147 665
1985	1 748	165	2 722	410	26 087	20 900	7 800	7 964	27 266	45 345	5 500	5 600	2 276	153 783
1986	1 801	49	..	500	25 753	31 000	8 200	11 645	18 017	..	3 300	5 815	2 731	108 811
1987	1 760	37	..	534	25 135	35 000	7 887	13 678	17 600	..	5 000	6 600	2 399	115 630
1988	..	..	..	585	29 145	45 500	6 793	..	16 486	27 460	5 000	8 160	3 200	142 329
1989	2 234	..	..	615	30 019	45 400	8 500	14 532	19 227	27 460	5 800	8 312	3 200	165 300
E. Fire control expenditure - fire-fighting costs ($000)[f]														
1980	420	..	300	770	1 869	56 183	7 155	15 311	37 341	18 024	2 045	11 800	3 370	154 591[b]
1981	665	13	120	263	2 369	2 700	7 353	21 995	51 830	39 223	3	7 582	1 769	135 891
1982	130	-	186	3 010	3 249	16 999	2 725	8 250	55 912	42 258	532	7 283	1 031	141 565
1983	50	-	159	2 229	11 803	20 000	8 259	7 589	16 214	24 800	1 478	7 700	300	100 581
1984	592	34	250	517	1 100	7 500	7 337	14 724	7 804	37 500	1 300	4 800	2 018	85 474
1985	2 247	177	304	1 045	1 831	2 500	1 634	9 109	9 234	101 479	676	3 513	2 391	136 140
1986	4 372	92	276	9 000	5 192	16 500	1 234	11 645	13 284	21 539[d]	3 700	13 180	2 294	102 308
1987	3 060	31	..	2 834	4 042	23 100	15 148	33 794	25 286	35 836[d]	550	9 320	2 320	155 321
1988	6 091	..	358	2 100	8 901	57 100	17 769	..	33 002	53 000	612	6 102	100	185 135
1989	7 055	..	443	1 200	8 912	31 100	68 000	42 953	22 397	64 000	7 000	16 750	500	270 310

[a]Approximately 60% of the forest fires have a known-man cause, 35% are caused by lightning and 5% have an unknown cause.
[b]Includes other federal lands.
[c]Does not include limited protection zone, includes intensive protection zone only.
[d]Includes intensive and limited zones.
[e]Includes intensive and limited zones. 2 103 015 ha burned in limited zones.
[f]Does not include air tankers and rapattacks.

Note: Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada as well as to provide a record of the annual trend. The values are the best available, but their limitation should be recognized.

Source: Ramsey, G.S., Higgins, D.G. Canadian Forest Fire Statistics 1980 and Canadian Forest Fire Statistics 1981, 1982, 1983. Forestry Canada and unpublished figures 1984-1989.

I - 9. Statistics on Forest Insect and Disease Conditions - Estimated Average Annual Depletion Caused by Important Pests, 1982-1986p

Type	Average annual mortality volume	Growth reduction	Wood destruction	Total
		1 000 000 m^3		
A. Insects				
Spruce budworms				
Nfld.	0.99	..	-	.99
P.E.I.	0.02	..	-	0.02
N.S.	1.30	..	-	1.30
N.B.	1.95	..	-	1.95
Que.	18.10	..	-	18.10
Ont.	9.72	..	-	9.72
Total	32.08	9.7	-	41.78
Mountain pine beetle	11.20	..	-	11.20
Spruce bark beetle	2.21	..	-	2.21
Other bark beetles	0.11	..	-	0.11
Aspen defoliators	..	8.0	-	8.0
Miscellaneous defoliators	0.64	0.8	-	0.72
Total	46.24	18.5	-	64.74
B. Diseases				
Dwarf mistletoes	...	3.8	-	3.8
Hypoxylon canker	11.2	..	-	11.2
Decays	...	...	25.0	25.0
Miscellaneous diseases	4.9	..	-	4.9
Total	16.1	3.8	25.0	44.9
Total insects and diseases	62.3	22.3	25.0	109.64

Source: Sterner, T.E.; Davidson, A.G. (compilation) and regional centers (collaboration). Forest Insect and Disease Conditions in Canada 1981. Forestry Canada.

I - 10. Selected Major Pests - Estimates of Areas of Moderate to Severe Defoliation, 1985-1989

Pest/ province	1985	1986	1987	1988	1989
			1 000 ha		
Spruce budworm	20 172	12 385	8 479	6 335	7 738
New Brunswick	1 070	927	430	500	396
Quebec	6 290	2 100	740	434	700
Ontario	12 332	8 856	7 190	5 225	6 240
Other[a]	479	504	119	176	401
Jack pine budworm	5 838	2 052	508	737	248
Ontario	3 660	1 744	505	737	248
Manitoba	2 048	132	1	-	-
Saskatchewan	130	176	2	-	-
Mountain pine beetle[b]					
British Columbia	300	94	66	63	53
Hemlock looper					
Newfoundland	52	215	150	13	9
Forest tent caterpillar	2 476	2 007	3 813	8 350	10 715
Quebec	200	479	562	582	372
Ontario	209	433	1 650	3 965	7 915
Saskatchewan	31	398	250	932	791
Alberta	2 000	602	1 322	2 766	1 190
Other	36	96	29	105	447
Gypsy moth					
Ontario	246	168	13	30	82

[a]Includes light to moderate defoliation in Northwest Territories (13 thousand ha for 1985) and British Columbia (59 thousand ha, 36 thousand ha, and 124 thousand ha for 1987, 1988, 1989 respectively).
[b]Areas where beetle - killed trees occurred. Estimated volume killed in 1989 is 1.07 million m^3.

Source: Moody, B.H. (compilation) and regional centers (collaboration). Forest Insect and Disease Conditions in Canada. 1985-1989. Forestry Canada.

I - 11. Public and Industry Expenditures on Forest Management Activities, 1977-1988[a]

Source	Year	Silviculture	Forest protection	Resource access	Research	Inventory	Timber management	Administration	Other[b]	Total[c]
					$000 000					
Provincial	1977	83.5	90.5	45.2	6.2	13.6	-	121.8	-	360.8
	1979	115.7	125.8	72.3	9.9	13.7	43.1	110.0	-	490.5
	1981	195.6	262.8	79.5	16.5	20.8	71.6	138.8	-	785.6
	1982	227.6	240.2	74.8	17.5	20.6	78.5	160.7	-	820.0
	1983	240.9	182.1	87.1	18.3	21.3	75.1	159.2	-	783.9
	1984	302.4	191.5	95.9	19.6	19.8	76.9	177.9	-	882.9
	1985	349.8	299.3	99.8	20.6	20.6	85.2	187.6	-	1 063.0
	1988	452.1	355.6	101.5	32.7	33.5	66.2	246.2	-	1 287.8
Federal	1977	18.6	6.2	10.6	31.0	0.8	-	10.5	-	77.7
	1979	26.9	11.2	19.2	30.1	1.4	2.9	11.5[c]	-	103.2
	1981	33.7	22.5	23.0	39.9	1.8	3.1	18.6[c]	-	142.6
	1982	46.4	26.5	17.7	46.2	0.6	2.3	11.1[c]	-	150.8
	1983	58.4	25.8	20.7	58.9	0.7	2.8	16.3[c]	-	183.6
	1984	38.7	22.5	10.4	66.2	1.9	3.0	39.6	-	182.3
	1985	63.5	20.4	8.1	68.8	3.2	3.6	41.5[c]	-	209.0
	1988	105.6	1.9	3.5	70.9	4.4	4.7	34.8[c]	-	225.8
Industry	1977	16.1	18.6	161.0	-	..	..	..	25.1	220.8
	1979	21.9	20.9	193.2	-	..	..	..	42.0	278.0
	1981	43.0	26.3	162.8	-	..	..	..	87.4	319.5[b]
	1982	..	..	..	..	..	..	..	..	..
	1983	36.6	33.7	121.8	-	..	..	..	88.1	280.3
	1984	..	..	..	..	..	..	..	..	..
	1985	63.3	39.4	238.8	-	..	..	..	64.4	405.9
	1988	147.3	39.4	179.5	..	..	..	..	136.3	502.5e
Total expenditures	1977	118.2	115.3	216.8	37.2	..	..	..	171.8	659.3
	1979	164.5	157.8	284.7	40.0	..	..	..	224.6	871.6
	1981	272.3	311.6	265.3	56.4	..	..	..	342.1	1 247.7
	1982	..	..	..	..	..	..	..	..	..
	1983	335.9	241.6	229.6	77.2	..	..	..	363.5	1 247.8
	1984	..	..	..	..	..	..	..	..	..
	1985	476.6	359.1	346.7	89.4	..	..	..	406.1	1 677.9
	1988	705.0	396.9	284.5	103.6	..	..	..	526.1	2 016.1

[a] 1977 for fiscal year 1977-1978...1988 for 1988-1989.

[b] Other expenditures in this case include the "inventory," "timber management," and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

[c] $8.1 million, $17.3 million, $8.9 million, $14.1 million, $32.3 million , and $24.8 million expended by Forestry Canada headquarters in Hull, Quebec, for 1979, 1981, 1982, 1983, 1985, and 1988. Expenditures for 1977 are not known.

Sources: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Lapointe, G.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

FOREST MANAGEMENT EXPENDITURES
Billions of dollars

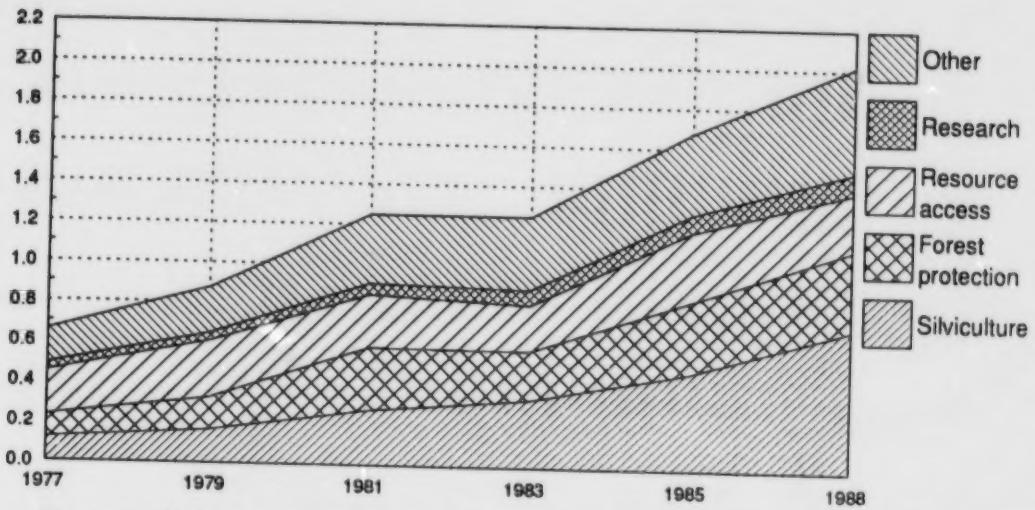

Figure 6. Public and industry expenditures on forest management by activity, 1977-1988.

Source: Forest Management Statistics for Canada, 1977-1988. Canadian Pulp an Paper Association and Forestry Canada.

FOREST MANAGEMENT EXPENDITURES
Billions of dollars

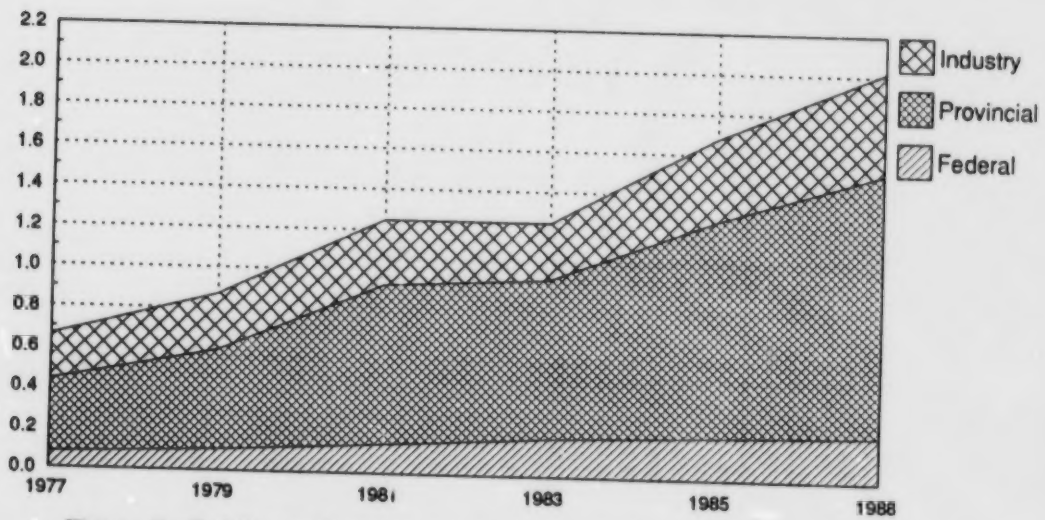

Figure 7. Public and industry expenditures on forest management by source, 1977-1988.

Source: Forest Management Statistics for Canada, 1977-1988. Canadian Pulp and Paper Association and Forestry Canada.

I - 12. Public and Industry Expenditures on Forest Management by Source, Activity, and Province, 1977-1988*

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub-total	Yukon and N.W.T.	Canada
A. Source								$000 000								
Provincial	1977	6.4	0.2	12.4	16.1	35.1	73.6	86.9	6.3	7.7	26.9	40.9	125.2	361.7	-	361.7
	1979	7.1	0.6	8.3	18.3	34.3	95.1	106.2	9.5	13.2	45.4	68.1	186.7	490.4	-	490.4
	1981	13.3	1.2	10.6	26.7	51.8	106.5	176.3	15.7	34.0	116.3	166.0	284.9	785.5	-	785.5
	1983	12.2	1.6	14.3	31.9	60.0	131.3	237.2	5.8	14.3	64.6	84.7	270.7	783.9	-	783.9
	1985	12.3	2.1	18.4	34.0	66.8	191.0	278.2	7.8	16.5	68.5	92.8	434.5	1 063.0	-	1 063.0
	1988	14.8	2.1	25.6	34.4	76.9	277.9	319.1	36.5	39.6	72.7	148.8	452.4	1 275.1	12.6	1 287.8
Federal	1977	11.3	0.6	1.2	10.5	23.6	23.0	10.8	-	0.6	4.2	4.8	4.1	66.3	10.5	76.8
	1979	8.6	1.4	3.0	12.4	25.4	35.6	11.5	1.3	3.3	3.6	8.2	10.4	91.1	12.2	103.3
	1981	8.2	2.0	5.0	14.5	29.7	46.7	24.3	-	2.4	4.9	7.3	10.0	118.0	24.7	142.7
	1983	15.8	2.0	4.3	17.6	39.7	64.2	31.0	-	-	7.3	7.3	14.3	156.5	27.1	183.6
	1985	17.0	2.7	9.5	16.3	45.5	67.4	39.5	2.7	3.0	8.9	14.6	20.8	187.8	21.2	209.0
	1988	13.2	2.0	12.8	19.8	47.8	78.1	40.8	2.4	1.8	8.9	13.1	45.9	225.7	-	225.8
Industrial	1977	1.4	-	5.3	10.7	17.4	43.4	29.7	1.0	2.7	13.0	16.7	113.6	220.8	-	220.8
	1979	3.4	-	5.1	14.6	23.1	48.4	28.9	1.4	3.0	8.4	12.8	164.8	278.0	-	278.0
	1981	7.7	-	10.4	20.7	38.8	55.1	29.1	2.4	4.8	10.2	17.4	179.1	319.5	-	319.5
	1983	5.0	-	7.7	13.6	26.3	51.9	32.8	1.6	1.9	16.4	19.9	149.3	280.3	-	280.3
	1985	7.7	-	10.3	16.8	34.8	41.3	37.1	2.7	1.4	19.0	23.1	269.6	405.9	-	405.9
	1988e	10.7	-	9.5	26.1	46.3	52.8	36.0	2.7	2.7	29.8	35.2	332.1	502.4	-	502.5
B. Activity																
Silviculture	1977	0.9	0.6	3.8	7.9	13.2	24.9	31.9	0.9	2.7	6.3	9.9	38.3	118.2	-	118.2
	1979	0.6	1.3	3.9	10.4	16.2	30.2	42.3	2.1	4.1	8.7	14.9	60.9	164.5	-	164.5
	1981	4.0	1.7	8.7	17.9	32.3	43.1	80.4	1.3	4.0	12.8	18.1	98.4	272.3	-	272.3
	1983	8.6	2.2	9.6	15.5	35.9	71.5	95.5	1.9	4.1	17.2	23.2	109.8	335.9	-	335.9
	1985	10.3	2.9	16.5	23.5	53.2	113.3	116.1	5.6	5.6	15.0	26.2	167.8	476.6	-	476.6
	1988	9.2	1.5	21.5	31.6	63.8	185.6	121.4	9.1	8.7	15.3	33.1	301.0	705.0	-	705.0
Protection	1977	2.5	-	1.3	9.8	13.6	31.2	32.0	3.5	3.0	9.7	16.2	16.4	109.4	5.9	115.3
	1979	5.6	0.1	2.9	9.3	17.9	23.2	33.4	6.0	5.4	19.4	30.8	42.3	147.6	10.2	157.8
	1981	7.6	0.1	3.7	15.6	27.0	29.9	52.3	11.6	26.4	76.8	114.8	65.3	289.3	22.3	311.6
	1983	3.6	-	3.3	16.6	23.5	49.6	65.2	1.9	7.8	19.5	29.2	48.9	216.3	25.3	241.6
	1985	6.5	0.2	4.7	13.7	25.1	46.3	63.5	2.0	9.3	22.8	34.1	170.6	339.6	19.4	359.1
	1988	10.5	0.1	5.6	13.5	29.7	54.3	120.5	26.4	32.0	35.7	94.1	86.1	384.7	12.1	396.9

I - 12. Public and Industry Expenditures on Forest Management by Source, Activity, and Province, 1977-1988[a] (concluded)

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub-total	Yukon and N.W.T.	Canada
B. Activity (continued)								$000 000								
Resource access	1977	4.6	-	4.9	4.7	14.2	41.5	31.5	1.7	3.6	8.6	13.9	115.7	216.8	-	216.8
	1979	4.1	0.1	5.1	5.4	14.7	53.7	32.0	2.0	6.3	5.2	13.5	170.8	284.7	-	284.7
	1981	4.8	0.1	6.1	2.9	13.9	53.7	43.6	2.4	6.3	7.7	16.4	137.7	265.3	-	265.3
	1983	5.8	0.1	5.2	3.8	14.9	46.2	71.3	1.0	0.4	6.4	7.6	89.6	229.6	-	229.6
	1985	5.0	0.1	5.5	1.4	12.0	23.6	80.2	1.1	1.5	6.1	8.7	221.9	346.4	-	346.4
	1988	6.4	0.1	7.0	5.4	18.9	29.9	46.0	1.1	0.1	10.7	11.9	177.8	284.5	-	284.5
Research[b]	1977	1.8	-	0.3	3.8	5.9	9.3	11.6	-	-	3.8	3.8	6.6	37.2	-	37.2
	1979	2.1	0.1	0.3	5.3	7.8	6.3	13.3	-	-	3.6	3.6	9.0	40.0	-	40.0
	1981	3.4	0.3	0.3	6.5	10.5	7.7	17.5	-	-	5.7	5.7	15.0	56.4	-	56.4
	1983	4.3	0.1	0.5	8.7	13.6	10.4	25.6	-	0.1	9.7	9.8	17.7	77.2	-	77.2
	1985	5.3	0.2	0.8	8.5	14.8	12.6	26.6	1.4	0.5	11.1	13.0	22.4	89.4	-	89.4
	1988	4.8	-	1.1	9.9	15.8	19.0	34.2	1.8	0.3	9.6	11.7	22.9	103.6	-	103.6
Other[c]	1977	9.3	0.2	8.6	11.1	29.2	33.1	20.4	1.2	1.7	15.7	18.6	65.9	167.2	4.6	171.8
	1979	6.7	0.4	4.1	14.9	26.1	65.7[d]	25.6	2.1	3.7	20.5	26.3	78.9	222.6	2.0	224.6
	1981	9.4	1.0	7.2	19.0	36.6	73.9[d]	35.9	2.8	4.5	28.4	35.7	157.6	339.7	2.4	342.1
	1983	10.7	1.2	7.7	18.7	38.3	69.8[d]	43.3	2.6	3.8	35.6	42.0	168.2	361.6	1.9	363.5
	1985	9.9	1.5	10.7	19.9	42.0	103.9[d]	68.3	3.1	3.8	41.5	48.4	142.1	404.7	1.8	406.1
	1988	7.9	2.4	12.7	19.8	42.8	120.2[d]	73.7	3.2	3.1	40.0	46.3	242.6	525.6	0.5	526.1
Total	1977	19.1	0.8	18.9	37.3	76.1	140.0	127.4	7.3	11.0	44.1	62.4	242.9	648.8	10.5	659.3
	1979	19.1	2.0	16.3	45.3	82.7	179.1	146.6	12.2	19.5	57.4	89.1	361.9	859.4	12.2	871.6
	1981	29.2	3.2	26.0	61.9	120.3	208.3	229.7	18.1	41.2	131.4	190.7	474.0	1 223.0	24.7	1 247.7
	1983	33.0	3.6	26.3	63.1	126.0	247.4	300.9	7.4	16.2	88.4	112.0	434.2	1 220.7	27.1	1 247.8
	1985	37.0	4.9	38.2	67.0	147.1	299.7	354.7	13.2	20.7	96.5	130.4	724.8	1 656.7	21.2	1 677.9
	1988	38.7	4.1	48.0	80.3	171.1	408.9	395.9	41.6	44.1	111.4	197.1	830.5	2 003.5	12.6	2 016.1

[a] 1977 for fiscal year 1977-1978 ... 1988 for 1988-1989.
[b] Research expenditures include only provincial and federal estimates.
[c] Other expenditures in this case include the "inventory," "timber management," and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.
[d] $68.1 million, $17.3 million, $6.9 million, $14.1 million, $32.3 million, and $24.8 million expended by Forestry Canada headquarters in Hull, Quebec, for 1979, 1981, 1982, 1983, 1985 and 1988. Expenditures for 1977 are not known.

Sources: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Lapointe, G.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

I - 13. Federal/Provincial Forest Agreement Statistics on Forest Development by Silviculture Activities and Province, 1988[a]

Area/activity		Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
A. Area treated (1 000 ha)[c]												
Site preparation and regeneration		8.5	1.8	26.9	13.8	169.2	41.9	4.3	11.3	3.6	65.3	346.6
Other silviculture treatments		5.7	0.8	19.3	13.9	33.0	18.9	0.6	0.7	7.8	47.4	148.3
Forest protection		-	-	-	-	-	0.3	-	-	-	-	0.3
Total		**14.3**	**2.6**	**46.2**	**27.7**	**202.2**	**61.0**	**4.9**	**12.0**	**11.5**	**112.7**	**495.1**
B. Source of expenditures by activity ($000)[d]												
Site preparation and regeneration	- Federal	3 100.0	849.5	6 501.5	2 517.4	24 846.2	10 296.0	792.4	578.6	9.0	17 143.0	**66 633.6**
	- Provincial	1 362.0	110.1	4 707.0	1 988.4	36 770.6	8 099.4	1 573.9	2 272.7	961.2	18 884.3	**76 729.5**
	- Total	4 462.0	959.5	11 208.5	4 505.8	61 616.8	18 395.4	2 366.3	2 851.3	970.2	36 027.3	**143 363.1**
Other silviculture treatments	- Federal	3 420.0	307.3	6 085.9	5 127.3	5 992.7	2 118.5	534.4	680.2	357.9	13 078.2	**37 702.6**
	- Provincial	1 504.0	1 958.7	3 466.0	3 915.6	8 423.2	4 129.9	151.7	111.2	534.5	11 308.2	**35 503.1**
	- Total	4 924.0	2 266.1	9 551.9	9 043.0	14 415.9	6 248.4	686.1	791.4	892.4	24 386.4	**73 205.7**
Forest protection	- Federal	370.0	-	-	-	-	95.5	-	189.7	182.2	-	**837.3**
	- Provincial	162.0	-	-	-	-	94.9	-	30.9	4.3	-	**292.1**
	- Total	532.0	-	-	-	-	190.4	-	220.6	186.5	-	**1 129.4**
Research and forest extention	- Federal	2 203.0	308.8	427.0	1 908.8	2 662.3	2 307.1	1 068.7	687.2	1 337.5	4 049.9	**16 960.3**
	- Provincial	968.0	63.7	966.0	1 947.3	6 027.5	1 003.4	815.0	478.4	945.0	3 168.2	**16 382.6**
	- Total	3 171.0	372.5	1 393.0	3 856.2	8 689.8	3 310.5	1 883.7	1 165.6	2 282.5	7 218.1	**33 342.9**
Other activities[e]	- Federal	624.0	763.0	557.0	75.6	1 652.9	646.9	205.4	507.9	609.2	4 057.3	**9 699.1**
	- Provincial	176.0	265.9	3 613.0	2.5	118.2	192.4	13.6	73.3	796.9	1 893.1	**7 144.8**
	- Total	800.0	1 028.9	4 170.0	78.0	1 771.0	839.3	219.0	581.2	1 406.1	5 950.4	**16 843.9**
Total activities[b]	**- Federal**	**9 717.0**	**2 228.6**	**13 571.4**	**9 629.1**	**35 154.0**	**15 463.9**	**2 600.9**	**2 643.7**	**2 495.8**	**38 328.4**	**131 832.9**
	- Provincial	**4 172.0**	**2 398.4**	**12 752.0**	**7 853.8**	**51 339.5**	**13 519.9**	**2 554.2**	**2 366.5**	**3 241.9**	**35 253.9**	**136 052.0**
	- Total	**13 889.0**	**4 626.9**	**26 323.4**	**17 482.9**	**86 493.5**	**28 983.9**	**5 155.1**	**5 610.2**	**5 737.8**	**73 582.3**	**267 884.9**

[a] Fiscal year 1988-1989.
[b] Total may not add up due to rounding.
[c] A hectare may be duplicated if it received more than one silviculture treatment.
[d] Actual costs per hectare may not be calculated as these costs in part B include indirect items.
[e] The category "Other activities" includes the expenditures related to administration, communication and evaluation.

Source: Special Compilation, Development Branch, DEVMIS, Forestry Canada.

I - 14. Federal/Provincial Forest Agreement Statistics on Forest Development by Tenure and Province, 1988[a]

Area/tenure		Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
A. Area treated (1 000 ha)[c]												
Provincial Crown lands		14.3	0.2	12.3	17.0	132.2	49.2	4.9	11.1	10.3	106.0	357.4
Federal and Indian lands		-	-	0.1	--	1.2	2.0	-	0.3	1.1	2.7	7.4
Private lands		-	2.4	33.8	10.7	68.7	9.8	-	0.1	-	4.1	129.7
Tenure not applicable		-	-	-	-	-	-	-	0.6	0.1	-	0.6
Total		14.3	2.6	46.2	27.7	202.2	61.0	4.9	12.0	11.5	112.7	495.1
B. Source of expenditures by tenure ($000)[d]												
Provincial Crown lands	- Federal	4 373.0	176.6	-	6 322.0	21 375.5	10 965.8	1 128.8	904.1	109.5	29 199.6	74 554.9
	- Provincial	1 924.0	1 938.2	4 707.0	7 384.3	34 428.8	12 126.9	2 207.5	2 623.1	2 971.8	33 302.2	103 613.7
	- Total	6 297.0	2 114.8	4 707.0	13 706.3	55 804.3	23 092.7	3 336.3	3 527.2	3 081.3	62 501.8	178 168.7
Federal and Indian lands	- Federal	-	-	104.4	18.2	984.0	826.5	-	102.5	199.1	1 805.0	4 039.8
	- Provincial	-	-	-	-	-	-	-	-	-	-	-
	- Total	-	-	104.4	18.2	984.0	826.5	-	102.5	199.1	1 805.0	4 039.8
Private lands	- Federal	-	812.6	12 483.0	3 168.3	11 334.1	1 451.8	-	99.4	111.7	1 483.6	30 944.5
	- Provincial	-	125.4	-	469.5	16 910.7	900.7	-	-	-	-	18 406.2
	- Total	-	938.0	12 483.0	3 637.8	28 244.8	2 352.4	-	99.4	111.7	1 483.6	49 350.8
Tenure not applicable	- Federal	5 344.0	1 239.3	984.0	120.6	1 460.4	2 219.8	1 472.1	1 537.7	2 075.6	5 840.1	22 293.7
	- Provincial	2 248.0	334.8	8 045.0	-	-	492.4	346.7	343.3	270.1	1 951.6	14 032.0
	- Total	7 592.0	1 574.1	9 029.0	120.6	1 460.4	2 712.2	1 818.8	1 881.0	2 345.7	7 791.8	36 325.6
Total[b]	- Federal	9 717.0	2 228.6	13 571.4	9 629.1	35 154.0	15 463.9	2 600.9	2 643.7	2 495.8	38 328.4	131 832.9
	- Provincial	4 172.0	2 398.4	12 752.0	7 853.8	51 339.5	13 519.9	2 554.2	2 966.5	3 241.9	35 253.9	136 052.0
	- Total	13 889.0	4 626.9	26 323.4	17 482.9	86 493.5	28 983.9	5 155.1	5 610.2	5 737.8	73 582.3	267 884.9

[a] Fiscal year 1988-1989.
[b] Total may not add up due to rounding.
[c] A hectare may be duplicated if it received more than one silviculture treatment.
[d] Actual costs per hectare may not be calculated as these costs in part B include indirect items.

Source: Special Compilation, Development Branch, DEVMIS, Forestry Canada.

I - 15. Farm Woodlots by Province, 1951-1986

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Farm woodlots in Canada	Total farm[a]	%
A. Area of farm woodlots (1 000 ha)															
1951	15	140	747	827	1 729	2 377	1 559	734	1 192	1 160	3 086	468	**9 219**	70 434	13.1
1961	8	120	552	498	1 178	1 822	1 318	603	888	866	2 357	305	**6 980**	69 829	10.0
1971	5	85	300	276	666	1 254	931	389	404	674	1 467	342	**4 660**	68 662	6.8
1976	8	75	262	227	572	1 160	833	376	415	709	1 500	302	**4 367**	68 427	6.4
1981	6	65	241	201	513	1 069	742	248	282	493	1 023	204	**3 551**	65 889	5.4
1986	5	61	201	184	451	1 030	588	124	153	289	566	155	**2 789**	67 826	4.1
B. Number of farms reporting forest products sales[b]															
1980	40	253	1 382	1 993	2 768	10 445	4 326	278	246	540	1 064	1 255	**19 858**	...	...
1985	31	161	1 015	886	2 093	9 386	3 331	198	164	359	721	989	**16 520**	...	...
C. Value of sales ($000)															
1980	92	363	4 726	4 332	9 513	23 975	11 957	1 080	993	2 542	4 615	14 928	**64 988**	...	...
1985	117	438	5 526	6 142	12 223	31 303	12 120	1 334	1 194	2 091	4 619	13 461	**73 727**	...	...

[a] A 1981 "Census Farm" is defined as a farm, ranch, or other agricultural holding with sales of agricultural products during the past 12 months of $250 or more.
[b] Includes sales of Christmas trees, fuelwood, and logs, and income from stumpage leases where an agreed amount is paid for cutting timber or pulpwood from the land. It excludes the sales of maple products.

Source: Statistics Canada. Census of Agriculture 1986.

SECTION II

COMMODITY PRODUCTION AND SHIPMENTS

- Roundwood
- Lumber
- Wood pulp
- Newsprint
- Paper and paperboard
- Wood-based panels

II - 1. Estimation of Roundwood Production in Canada by Category and Species Group, 1950-1988

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
1950	40 095	32 311	1 700	74 106	..	..	..	..	11 509	..	..	85 615
1960	51 120	33 924	1 461	86 505	..	..	..	..	6 751	..	..	93 256
1970	75 711	40 335	1 236	117 282	109 143	8 140	1 527	2 610	4 137	110 669	10 750	121 419
1971	77 948	36 902	1 117	115 967	107 753	8 214	1 276	2 458	3 734	109 029	10 672	119 701
1972	81 211	38 428	1 109	120 748	111 331	9 417	1 196	2 187	3 383	112 526	11 604	124 131
1973	96 886	42 378	1 079	140 343	129 688	10 655	1 165	2 297	3 462	130 853	12 952	143 806
1974	85 295	48 034	1 087	134 416	124 575	9 841	1 149	2 363	3 512	125 724	12 204	137 928
1975	73 543	37 063	891	111 497	103 437	8 060	1 211	2 554	3 765	104 648	10 614	115 262
1976	97 135	36 832	1 260	135 227	127 083	8 144	1 266	2 633	3 899	128 349	10 777	139 126
1977	103 707	36 732	1 141	141 580	132 652	8 928	1 017	2 665	3 682	133 669	11 593	145 262
1978	111 536	38 039	1 344	150 918	142 798	8 914	1 109	3 074	4 183	143 114	11 988	155 102
1979	114 433	40 242	1 789	156 464	147 661	9 590	1 281	3 225	4 506	148 155	12 815	160 970
1980	109 957	38 783	1 909	150 649	141 285	9 364	1 278	3 453	4 731	142 563	12 817	155 380
1981	96 318	41 204	1 562	139 084	130 633	8 451	1 410	4 078	5 488	132 043	12 529	144 572
1982	88 869	31 084	1 390	121 343	114 317	7 026	1 548	4 125	5 673	115 865	11 151	127 016
1983	111 269	38 090	1 365	150 724	142 293	8 431	1 609	4 588	6 197	143 902	13 019	156 921
1984	117 254	42 051	1 562	160 867	151 541	9 326	1 880	4 755	6 635	153 421	14 081	167 502
1985	119 336	40 601	2 048	161 985	152 655	9 330	1 837	4 832	6 669	154 492	14 162	168 654
1986	125 384	42 655	2 224	170 263	160 106	10 157	1 757	5 077	6 834	161 863	15 234	177 097
1987p	..	..	..	..	..	..	..	..	..	..	..	191 607
1988p	..	..	..	..	..	..	..	..	..	..	..	190 252

Source: Statistics Canada Cat. No. 25-201.

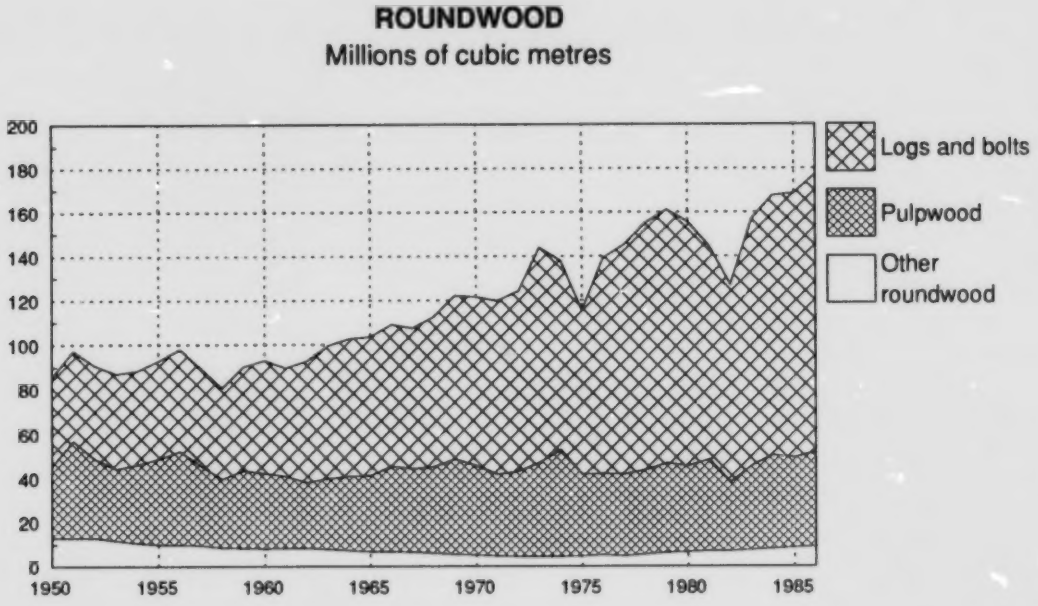

Figure 8. Roundwood production in Canada, 1950-1986.

Source: Statistics Canada, Cat. No. 25-201.

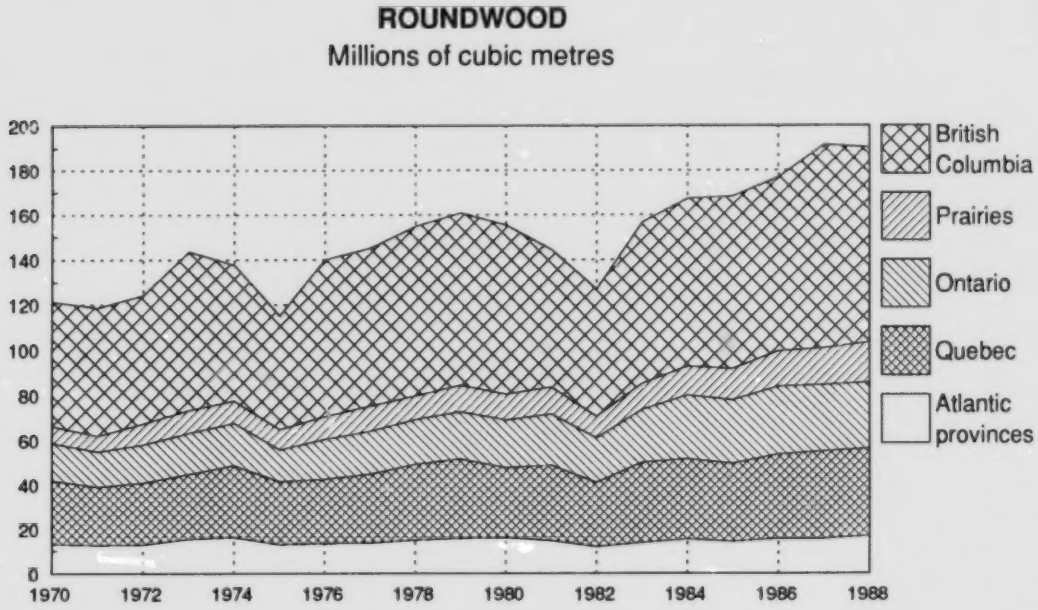

Figure 9. Roundwood production by region, 1970-1988.

Source: Statistics Canada, Cat. No. 25-201.

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1988

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
Newfoundland												
1970	170	2 527	4	2 701	2 701	-	112	35	147	2 813	36	2 849
1975	147	2 195	6	2 348	2 345	3	79	25	104	2 424	28	2 452
1976	207	2 011	20	2 238	2 232	6	76	31	107	2 309	37	2 345
1977	230	1 875	8	2 113	2 110	3	62	20	82	2 172	23	2 195
1978	261	1 909	8	2 178	2 175	3	88	22	110	2 263	25	2 288
1979	269	1 968	17	2 254	2 248	6	202	25	227	2 450	31	2 481
1980	207	2 189	130	2 526	2 523	3	241	28	269	2 764	31	2 795
1981	261	1 903	8	2 172	2 169	3	356	40	396	2 525	43	2 568
1982	147	1 736	9	1 892	1 889	3	425	62	487	2 314	65	2 379
1983	293	1 697	5	1 995	1 989	6	379	55	434	2 368	61	2 429
1984	183	2 053	4	2 240	2 239	1	572	77	649	2 811	78	2 889
1985	183	1 760	8	1 951	1 950	1	490	68	558	2 440	69	2 509
1986	228	1 732	6	1 966	1 963	3	389	53	442	2 352	56	2 408
1987p	..	..	..	..	..	..	..	..	..	..	..	2 524
1988p	..	..	..	..	..	..	..	..	..	..	..	2 513
Prince Edward Island												
1970	68	109	10	187	186	1	34	23	57	220	24	245
1975	71	45	6	122	118	4	8	37	45	126	41	167
1976	68	48	6	122	116	6	8	34	42	125	40	165
1977	65	37	3	105	105	-	6	28	34	111	28	139
1978	71	45	6	122	122	-	6	31	37	128	31	159
1979	85	48	11	144	144	-	11	68	79	155	68	223
1980	91	91	11	193	184	9	14	71	85	198	80	278
1981	102	59	28	189	172	17	11	133	144	183	150	333
1982	68	48	9	125	116	9	17	133	150	133	142	275
1983	96	31	11	138	125	13	18	138	156	143	151	294
1984	84	42	-	126	121	5	72	215	287	193	220	413
1985	85	43	-	128	123	5	72	215	287	195	220	415
1986	114	46	-	160	153	7	79	237	316	232	244	476
1987p	..	..	..	..	..	..	..	..	..	..	..	479
1988p	..	..	..	..	..	..	..	..	..	..	..	487

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1988 (continued)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
						1 000 m^3						
Nova Scotia												
1970	1 033	2 022	32	3 087	2 876	211	48	109	157	2 904	320	3 224
1975	837	2 508	13	3 358	3 075	283	40	141	181	3 115	424	3 539
1976	957	2 265	20	3 242	2 970	272	48	164	212	3 019	436	3 455
1977	940	2 540	8	3 489	3 243	246	45	142	187	3 288	388	3 676
1978	974	2 968	11	3 953	3 675	278	43	161	204	3 178	439	4 157
1979	1 059	3 098	14	4 171	3 802	369	57	161	218	3 859	530	4 389
1980	960	3 310	11	4 281	3 757	524	62	201	263	3 819	725	4 544
1981	897	2 795	17	3 709	3 367	342	42	235	277	3 409	577	3 986
1982	784	1 943	11	2 738	2 557	181	40	223	263	2 597	404	3 001
1983	912	2 397	16	3 325	3 116	209	45	251	296	3 161	460	3 621
1984	993	2 270	-	3 263	2 885	378	46	250	296	2 931	628	3 559
1985	954	2 190	-	3 144	2 915	229	46	250	296	2 961	479	3 440
1986	1 062	2 471	-	3 533	3 199	334	51	275	326	3 250	609	3 859
1987p	..	..	..	..	..	..	..	..	..	..	..	4 712
1988p	..	..	..	..	..	..	..	..	..	..	..	4 664
New Brunswick												
1970	1 871	4 712	33	6 616	5 822	794	15	184	199	5 837	978	6 815
1975	1 755	4 913	45	6 713	5 479	1 234	40	153	193	5 519	1 387	6 906
1976	1 798	5 395	88	7 281	6 083	1 198	48	150	198	6 131	1 348	7 479
1977	1 897	5 550	85	7 532	6 399	1 333	31	139	170	6 430	1 272	7 702
1978	2 265	5 947	93	8 305	7 147	1 158	34	170	204	7 181	1 328	8 509
1979	2 322	6 088	85	8 495	7 277	1 218	34	221	255	7 311	1 439	8 750
1980	2 345	5 714	76	8 135	7 022	1 113	34	218	252	7 056	1 331	8 387
1981	2 282	5 165	82	7 529	6 524	1 005	37	229	266	6 561	1 234	7 795
1982	2 061	3 956	62	6 079	5 233	846	48	193	241	5 281	1 039	6 320
1983	2 360	4 752	65	7 177	6 168	1 009	53	212	265	6 221	1 221	7 442
1984	2 534	5 486	89	8 109	7 164	945	50	219	269	7 214	1 164	8 378
1985	2 344	5 126	89	7 559	6 812	747	50	287	337	6 862	1 034	7 896
1986	2 542	5 745	93	8 380	7 552	828	51	289	340	7 603	1 117	8 720
1987p	..	..	..	..	..	..	..	..	..	..	..	7 869
1988p	..	..	..	..	..	..	..	..	..	..	..	9 199

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1988 (continued)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
Quebec												
1970	8 778	17 740	251	**26 769**	23 272	3 497	906	1 223	**2 129**	24 179	4 720	**28 999**
1975	11 214	15 149	232	**26 595**	23 650	2 945	566	1 246	**1 812**	24 216	4 181	**28 407**
1976	13 309	13 598	311	**27 218**	23 990	3 228	566	1 274	**1 840**	24 556	4 502	**29 058**
1977	16 353	12 601	297	**29 251**	25 655	3 596	453	1 359	**1 812**	26 108	4 955	**31 063**
1978	18 576	13 096	396	**32 068**	28 571	3 497	510	1 501	**2 011**	29 081	4 998	**34 079**
1979	19 142	14 045	425	**33 612**	30 322	3 290	481	1 643	**2 124**	30 803	4 933	**35 736**
1980	16 848	12 318	453	**29 620**	26 505	3 115	368	1 699	**2 067**	26 873	4 814	**31 687**
1981	16 452	14 979	595	**30 026**	29 167	2 859	396	1 812	**2 208**	29 563	4 671	**34 234**
1982	15 787	10 316	793	**26 896**	24 522	2 374	368	1 869	**2 237**	24 890	4 243	**29 133**
1983	20 080	12 998	810	**33 888**	30 881	3 007	395	2 005	**2 400**	31 276	5 012	**36 288**
1984	18 712	14 329	944	**33 985**	31 242	2 743	456	2 078	**2 534**	31 698	4 821	**36 519**
1985	18 365	13 514	963	**32 842**	30 205	2 637	460	2 098	**2 558**	30 665	4 735	**35 400**
1986	20 531	14 002	993	**35 526**	32 674	2 852	468	2 133	**2 601**	33 142	4 985	**38 127**
1987p	..	..	..	..	..	..	..	..	..	..	..	**39 503**
1988p	..	..	..	..	..	..	..	..	..	..	..	**39 381**
Ontario												
1970	5 154	10 638	216	**16 008**	13 068	2 940	181	612	**793**	13 250	3 551	**16 801**
1975	5 267	7 929	142	**13 337**	10 760	2 577	241	637	**878**	11 001	3 214	**14 215**
1976	7 362	9 401	193	**16 956**	14 181	2 775	255	665	**920**	14 436	3 340	**17 876**
1977	7 915	10 306	156	**18 377**	15 107	3 270	198	694	**892**	15 305	3 964	**19 269**
1978	8 255	10 604	139	**18 998**	15 636	3 362	255	934	**1 189**	15 891	4 296	**20 187**
1979	9 132	10 769	133	**20 034**	16 098	3 936	297	963	**1 260**	16 395	4 899	**21 294**
1980	9 061	10 803	113	**19 977**	16 226	3 751	255	1 090	**1 345**	16 481	4 841	**21 322**
1981	8 707	12 105	127	**20 939**	17 683	3 256	382	1 487	**1 869**	18 065	4 743	**22 808**
1982	7 634	10 222	113	**17 969**	15 087	2 882	359	1 450	**1 809**	15 446	4 322	**19 778**
1983	9 008	12 450	107	**21 565**	18 112	3 453	431	1 740	**2 171**	18 543	5 193	**23 736**
1984	12 321	13 631	7	**25 959**	21 489	4 470	360	1 811	**2 171**	21 849	6 281	**28 130**
1985	12 238	13 805	7	**26 050**	21 675	4 375	360	1 815	**2 175**	22 035	6 190	**28 225**
1986	13 009	14 841	9	**27 859**	23 190	4 669	349	1 978	**2 327**	23 539	6 647	**30 186**
1987p	..	..	..	..	..	..	..	..	..	..	..	**29 692**
1988p	..	..	..	..	..	..	..	..	..	..	..	**29 338**

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1988 (continued)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
						1 000 m^3						
Manitoba												
1970	314	664	91	1 075	929	146	100	84	184	1 029	230	1 260
1975	504	1 274	88	1 866	1 753	113	85	71	156	1 838	184	2 022
1976	589	878	105	1 572	1 487	85	85	85	170	1 572	170	1 742
1977	603	948	91	1 642	1 563	79	57	85	142	1 620	164	1 784
1978	640	937	93	1 670	1 563	107	45	88	133	1 608	195	1 803
1979	654	1 085	59	1 798	1 653	145	37	68	105	1 690	213	1 903
1980	688	1 458	82	2 228	2 106	122	25	82	107	2 131	204	2 335
1981	543	1 104	54	1 701	1 608	93	25	77	102	1 633	170	1 803
1982	527	790	57	1 374	1 283	91	28	96	124	1 311	187	1 498
1983	514	840	51	1 405	1 315	90	26	89	115	1 341	179	1 520
1984	333	1 202	47	1 582	1 486	96	116	..[b]	116	1 602	96	1 698
1985	480	1 065	48	1 593	1 470	123	124	..[b]	124	1 594	123	1 717
1986	604	927	59	1 590	1 476	114	113	..[b]	113	1 589	114	1 703
1987p	..	..	..	..	..	..	..	..	..	..	..	1 887
1988p	..	..	..	..	..	..	..	..	..	..	..	1 883
Saskatchewan												
1970	608	1 253	259	2 120	1 910	210	68	188	256	1 977	398	2 375
1975	713	1 305	74	2 092	1 790	302	59	162	221	1 849	464	2 313
1976	1 127	1 345	167	2 639	2 342	297	71	156	227	2 413	453	2 866
1977	1 897	722	156	2 775	2 350	425	42	142	184	2 932	567	2 959
1978	1 614	974	119	2 707	2 367	340	46	110	156	2 413	450	2 863
1979	1 778	1 549	127	3 454	3 083	371	77	48	125	3 160	419	3 579
1980	1 520	1 569	122	3 211	2 849	362	79	40	119	2 928	402	3 330
1981	1 662	1 605	161	3 428	2 918	510	85	42	127	3 003	552	3 555
1982	1 382	898	122	2 402	2 102	300	79	45	124	2 181	345	2 526
1983	960	1 396	127	2 483	2 275	208	82	47	129	2 357	255	2 612
1984	1 145	1 323	125	2 593	2 436	157	70	63	133	2 506	220	2 726
1985	1 220	1 056	591	2 867	2 537	330	87	62	149	2 624	392	3 016
1986	1 433	1 193	713	3 339	2 966	373	113	77	190	3 079	450	3 529
1987p	..	..	..	..	..	..	..	..	..	..	..	3 666
1988p	..	..	..	..	..	..	..	..	..	..	..	3 818

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1988 (concluded)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
Alberta												
1970	3 186	690	115	3 991	3 937	52	40	112	152	3 978	166	4 144
1975	2 944	1 745	144	4 833	4 751	82	51	79	130	4 802	161	4 963
1976	3 341	1 892	272	5 505	5 434	71	51	71	122	5 485	142	5 627
1977	3 893	2 152	212	6 257	6 218	39	59	54	113	6 277	93	6 370
1978	3 817	1 558	249	5 624	5 581	43	45	57	102	5 626	100	5 726
1979	3 945	1 592	606	6 143	6 115	28	37	28	65	6 152	56	6 208
1980	3 925	1 331	609	5 865	5 757	108	45	23	68	5 802	131	5 933
1981	4 647	1 489	399	6 535	6 402	133	28	23	51	6 430	156	6 586
1982	4 257	1 175	147	5 581	5 462	119	79	54	133	5 541	173	5 714
1983	5 666	1 529	23	7 218	7 060	158	75	51	126	7 135	209	7 344
1984	6 557	1 715	86	8 358	7 827	531	57	42	99	7 884	573	8 457
1985	6 786	2 041	53	8 880	7 998	882	62	37	99	8 060	919	8 979
1986	8 556	1 698	44	10 298	9 321	977	54	35	89	9 375	1 012	10 387
1987p	..	..	..	..	..	..	..	..	..	..	..	10 496
1988p	..	..	..	..	..	..	..	..	..	..	..	11 990
British Columbia[a]												
1970	54 409	..	318	54 727	54 399	327	..	..	..	54 399	327	54 726
1975	49 942	..	136	50 078	49 554	516	..	..	..	49 562	516	50 078
1976	69 424	..	96	69 524	69 313	207	..	..	..	69 314	207	69 521
1977	69 823	..	147	69 970	69 834	136	..	..	..	69 384	136	69 971
1978	74 951	..	213	75 164	75 037	127	..	..	..	75 037	127	75 164
1979	75 892	..	303	76 194	75 968	227	..	..	..	75 968	227	76 195
1980	74 247	..	407	74 654	74 396	258	..	..	..	74 396	258	74 654
1981	60 700	..	80	60 780	60 547	233	..	..	..	60 547	233	60 780
1982	56 178	..	53	56 231	56 010	221	..	..	..	56 010	221	56 231
1983	71 320	..	123	71 443	71 162	281	..	..	..	71 162	281	71 443
1984	74 337	..	219	74 556	74 556	..[b]	..	..	..	74 556	..[b]	74 556
1985	76 622	..	246	76 868	76 868	..[b]	..	..	..	76 868	..[b]	76 868
1986	77 240	..	263	77 503	77 503	..[b]	..	..	..	77 503	..[b]	77 503
1987p	..	..	..	..	..	..	..	..	..	..	..	90 591
1988p	..	..	..	..	..	..	..	..	..	..	..	86 807

[a]Pulpwood included in logs and bolts and fuelwood included in other roundwood; see also table II - 5 for more details.
[b]Included with softwoods.

Source: Statistics Canada Cat. No. 25-201.

II - 3. Shipments of Roundwood by Province, 1970-1986

Year	Nova Scotia	New Brunswick	Quebec	Ontario	British Columbia[a]	Other provinces	Canada
A. Quantity (1 000 m^3)							
1970	1 899	7 337	24 640	14 684	43 692	5 782	98 035
1971	1 941	7 429	22 290	13 672	43 661	4 983	93 976
1972	2 089	7 002	22 599	15 704	45 914	5 918	99 226
1973	2 553	9 005	21 868	15 731	53 224	7 128	109 509
1974	2 892	9 124	23 400	16 438	47 253	8 523	107 631
1975	2 236	7 094	21 451	11 583	35 460	7 400	85 224
1976	2 122	8 129	20 044	12 983	48 824	7 187	99 289
1977	2 363	7 717	19 850	14 802	49 112	6 386	100 230
1978	2 525	8 464	19 783	15 877	51 618	7 371	105 638
1979	2 834	8 928	22 139	16 248	50 839	7 992	108 980
1980	2 908	8 525	19 443	16 743	53 130	6 978	107 727
1981	2 929	8 797	21 967	16 855	45 482	8 023	104 053
1982	2 767	5 984	17 506	15 828	36 541	7 761	86 387
1983	2 371	7 423	18 025	16 928	47 700	6 257	98 704
1984	3 751	8 914	17 889	18 290	46 357	7 248	102 449
1985	3 953	8 084[b]	16 084[b]	18 533	46 626	7 190[b]	100 470
1986	4 449[b]	8 593	20 002	20 573[b]	41 786	7 779[b]	103 182
B. Value ($000 000)							
1970	17	73	307	184	475	61	1 118
1971	19	81	280	178	508	54	1 120
1972	21	79	290	205	599	70	1 265
1973	28	113	319	222	873	94	1 648
1974	39	131	394	281	846	132	1 823
1975	36	114	433	243	651	137	1 615
1976	36	143	448	307	995	149	2 078
1977	46	144	480	373	1 089	136	2 269
1978	50	165	511	428	1 281	163	2 597
1979	56	188	586	483	1 676	187	3 175
1980	61	200	553	527	1 801	187	3 329
1981	67	222	683	587	1 479	243	3 280
1982	56	165	599	540	1 302	241	2 902
1983	64	217	636	621	1 726	215	3 481
1984	90	271	661	693	1 683	236	3 634
1985	97	249[b]	616[b]	714	1 686	232[b]	3 594
1986	107[b]	267	747	796[b]	1 621	246[b]	3 784

[a] For additional information on shipments of roundwood in British Columbia, see Section X.C.
[b] Data for poles and pilings are included in the Canada total due to confidentiality at the provincial level.

Note: Data not compiled, edited or estimated by Statistics Canada for the 1987 Census of Manufactures.

Source: Statistics Canada Cat. No. 25-201.

II - 4. Shipments[a] of Roundwood by Category and Species Group, 1970-1986

Year	Logs and bolts		Pulpwood		Other roundwood	Total roundwood	Wood chips
	Softwoods	Hardwoods	Softwoods	Hardwoods			
			1 000 m^3				1 000 t
A. Quantity							
1970	51 206	1 771	40 643	4 124	291	98 035	69
1971	52 059	1 692	36 050	3 895	281	93 976	22
1972	55 704	1 849	37 809	3 563	302	99 226	51
1973	63 706	1 896	39 003	4 607	297	109 509	37
1974	57 103	2 358	42 417	5 348	405	107 631	90
1975	45 137	1 414	36 053	2 198	422	85 224	124
1976	59 702	1 515	34 525	3 167	379	99 289	275
1977	62 105	1 717	32 432	3 635	341	100 230	318
1978	65 640	1 573	34 686	3 457	283	105 638	133
1979	66 675	1 691	36 303	3 780	532	108 980	134
1980	68 508	1 598	33 705	3 383	532	107 727	182
1981	60 495	1 401	37 359	4 286	512	104 053	217
1982	48 729	1 332	32 717	3 492	117[b]	86 387	482
1983	62 891	1 402	29 906	4 435	71[b]	98 704	643
1984	60 655	2 271	33 155	6 284	84[b]	102 449	516
1985	58 447	1 842	35 276	4 747	158[b]	100 470[c]	870
1986	60 107	1 804	35 743	5 368	160[b]	103 182[c]	1 138
B. Value ($000 000)							
1970	542	23	501	42	10	1 118	2
1971	588	23	458	41	10	1 120	--
1972	700	27	491	37	10	1 265	1
1973	998	31	555	56	8	1 648	1
1974	978	42	719	72	12	1 823	3
1975	795	31	737	38	14	1 615	4
1976	1 182	34	789	58	14	2 078	14
1977	1 332	41	811	72	13	2 269	19
1978	1 577	42	891	74	14	2 597	7
1979	2 024	48	986	91	26	3 175	7
1980	2 179	50	991	84	25	3 329	11
1981	2 888	45	1 204	123	20	3 280	11
1982	1 645	41	1 100	110	6	2 902	20
1983	2 185	50	1 095	144	6	3 481	32
1984	2 142	70	1 220	194	7	3 634	28
1985	2 092	67	1 277	146	12	3 594[c]	46
1986	2 231	64	1 313	164	12	3 784[c]	56

[a]For additional information on the discrepancies between production and shipments figures, see Section X.C.
[b]Other rounwood includes only poles and pilings since 1982.
[c]Excluding $4 million of other roundwood in 1985 and $7 million in 1986.

Note: Data not compiled, edited or estimated by Statistics Canada for the 1987 Census of Manufactures.

Source: Statistics Canada Cat. No. 25-201.

II - 5. Roundwood Production on Federal Lands by Agency and Category, 1988-1989

Agency/ roundwood category	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	Total
						1 000 m^3							
A. Yukon and N.W.T.	...	...	...	...	...	...	...	...	...	...	133.3	40.0	173.3
Logs and bolts	...	...	...	...	...	...	...	...	...	...	82.3	21.8	104.0
Pulpwood	...	...	...	...	...	...	...	...	...	...	-	-	-
Fuelwood	...	...	...	...	...	...	...	...	...	...	50.7	17.7	68.5
Other roundwood	...	...	...	...	...	...	...	...	...	...	0.3	0.5	0.8
B. Indian reserves	-	0.2	2.6	29.9	149.1	152.2[e]	10.7[e]	27.8	4.5	313.7	-	-	690.6
Logs and bolts	-	-	0.2	1.0	72.6	90.0[e]	0.8[e]	2.3	4.5	152.6	-	-	324.1
Pulpwood	-	0.1	1.7	26.6	75.5	35.6[e]	-[e]	2.5	-	42.6	-	-	184.6
Fuelwood	-	0.1	0.7	2.4	1.0	26.5[e]	9.9[e]	23.0	-	-	-	-	63.5
Other roundwood	-	-	-	-	-	-[e]	--[e]	-	-	118.5	-	-	118.5
C. National defence	-	-	-	100.2	1.5	49.7	-	3.0	-	59.3	-	-	213.7
Logs and bolts	-	-	-	23.1	1.1	40.2	-	-	-	50.2	-	-	114.7
Pulpwood	-	-	-	65.1	0.2	5.7	-	-	-	9.1	-	-	80.1
Fuelwood	-	-	-	11.0	0.1	3.8	-	-	-	--	-	-	14.9
Other roundwood	-	-	-	1.0	-	-	-	3.0	-	-	-	-	4.0
D. Forestry Canada	...	...	...	8.0	-	4.4	...	...	...	...	...	...	12.4
Logs and bolts	...	...	...	5.1	-	2.5	...	...	...	...	...	...	7.6
Pulpwood	...	...	...	-	-	1.4	...	...	...	...	...	...	1.4
Fuelwood	...	...	...	2.8	-	0.5	...	...	...	...	...	...	3.4
Other roundwood	...	...	...	0.1	-	-	...	...	...	...	...	...	0.1
E. Other	-	-	-	-	-	-	-	-	262.7	10.1	-	-	272.8
Logs and bolts	-	-	-	-	-	-	-	-	262.7	10.1	-	-	272.8
Pulpwood	-	-	-	-	-	-	-	-	-	-	-	-	-
Fuelwood	-	-	-	-	-	-	-	-	-	-	-	-	-
Other roundwood	-	-	-	-	-	-	-	-	-	-	-	-	-
F. Total	-	0.2	2.6	138.1	150.5	206.2	10.7	30.8	267.2	383.2	133.3	40.0	1 362.8
Logs and bolts	-	-	0.2	29.2	73.8	132.7	0.8	2.3	267.2	212.9	82.3	21.8	823.2
Pulpwood	-	0.1	1.7	91.6	75.7	42.7	-	2.5	-	51.8	-	-	266.1
Fuelwood	-	0.1	0.7	16.2	1.1	30.8	9.9	23.0	-	--	50.7	17.7	150.2
Other roundwood	-	-	-	1.1	-	-	--	3.0	-	118.5	0.3	0.5	123.4

[e]Estimates based on 1986-87 and 1987-88 data.

Source: Special compilation, Forestry Canada.

II - 6. Pulpwood Production for Domestic Consumption and Receipts of Wood Residues by Domestic Mills, 1970-1989

Year	Pulpwood production for domestic consumption						Receipts of wood residues by domestic mills			
		Receipts								
	Limit production[a]	at mill of purchased pulpwood (except B.C.)	of pulpwood by mills in B.C.[b]	Total	Imports of pulpwood (minus)	Pulpwood production for domestic consumption	Wood chips	Veneer cores, slabs and edgings, sawdust, shavings, etc.	Total wood residues	Total
					1 000 m^3					
1970	26 469	14 266	9 442	50 117	222	49 955	16 984	960	17 944	67 898
1971	22 590	12 714	9 554	44 858	262	44 596	19 232	1 249	20 480	65 077
1972	24 092	11 935	9 128	45 155	389	44 766	21 495	1 875	23 370	68 136
1973	30 933	12 102	9 332	52 367	304	52 063	24 636	2 911	27 547	79 610
1974	35 479	14 684	9 843	60 005	626	59 379	28 407	2 569	30 976	90 355
1975	29 137	11 292	6 634	47 063	492	46 571	21 608	1 882	23 490	70 061
1976	24 157	11 415	7 673	43 245	503	42 742	31 467	2 552	34 019	76 761
1977	27 201	11 107	6 489	44 797	613	44 184	31 180	2 410	33 590	77 774
1978	27 930	12 092	6 037	46 059	618	45 441	33 489	2 766	36 255	81 696
1979	31 012	12 691	5 854	49 557	824	48 732	36 352	2 923	39 275	88 007
1980	28 758	15 229	6 478	50 466	614	49 852	37 206	2 768	39 974	89 826
1981	29 784	16 811	6 620	53 215	527	52 688	35 357	2 762	38 119	90 807
1982	21 906	13 875	6 087	41 867	529	41 338	30 703	2 643	33 346	74 684
1983	23 397	14 263	6 058	43 718	560	43 158	36 251	3 476	39 727	82 885
1984	26 002	16 441	5 756	48 199	609	47 591	36 964	4 157	41 121	88 712
1985	24 449	15 417	5 278	45 145	526	44 619	41 026	4 154	45 180	90 325
1986	23 966	16 276	5 569	45 812	329	45 483	42 261	4 403	46 664	92 147
1987	..	..	..	45 539	..	..	51 443	4 988	56 431	..
1988	..	..	..	46 812	..	..	51 527	4 753	56 280	..
1989	..	..	..	47 688	..	..	52 011	4 644	56 655	..

[a] Limit production means the volume produced from an owner's freehold lands or leased lands.
[b] Data on production of pulpwood as such are not available for British Columbia. The figures shown represent receipts of pulpwood.

Source: Statistics Canada Cat. No. 25-001.

II - 7. Lumber Production by Province and Species Group, 1950-1989

Year	Species	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
							1 000 m^3						
1950	Softwoods	104	27	605	636	2 186	1 551	125	142	772	8 254	8	14 410
	Hardwoods	3	1	58	69	479	384	13	14	9	25	-	1 055
	Total	**107**	**27**	**664**	**705**	**2 665**	**1 935**	**138**	**156**	**781**	**8 280**	**8**	**15 465**
1960	Softwoods	67	20	525	581	2 119	1 098	65	145	718	12 511	14	17 862
	Hardwoods	1	--	23	75	514	386	16	14	8	7	-	1 045
	Total	**68**	**20**	**548**	**656**	**2 633**	**1 484**	**82**	**159**	**726**	**12 518**	**14**	**18 907**
1970	Softwoods	81	28	464	564	3 321	1 494	83	248	1 092	18 056	17	25 449
	Hardwoods	-	--	12	96	464	508	40	-	8	12	-	1 139
	Total	**81**	**28**	**476**	**660**	**3 785**	**2 002**	**122**	**248**	**1 100**	**18 067**	**17**	**26 588**
1975	Softwoods	68	28	374	609	4 309	1 917	164	263	1 003	17 566	10	26 312
	Hardwoods	1	-	13	71	479	396	29	-	-	3	-	993
	Total	**70**	**28**	**387**	**680**	**4 787**	**2 313**	**193**	**264**	**1 003**	**17 569**	**10**	**27 305**
1976	Softwoods	100	28	429	686	5 170	2 277	207	454	1 201	25 075	11	35 638
	Hardwoods	2	-	14	83	562	497	20	7	-	-	-	1 184
	Total	**102**	**28**	**443**	**769**	**5 731**	**2 773**	**228**	**460**	**1 201**	**25 075**	**11**	**36 822**
1977	Softwoods	111	28	423	695	6 051	2 731	211	499	1 455	28 377	14	40 594
	Hardwoods	2	-	12	61	442	459	22	15	22	1	-	1 038
	Total	**113**	**28**	**435**	**756**	**6 493**	**3 191**	**233**	**514**	**1 477**	**28 378**	**14**	**41 633**
1978	Softwoods	112	30	437	879	6 948	3 267	220	479	1 621	29 569	14	43 576
	Hardwoods	1	8	11	56	624	561	30	9	9	2	-	1 311
	Total	**113**	**38**	**448**	**935**	**7 572**	**3 828**	**250**	**488**	**1 631**	**29 570**	**14**	**44 887**
1979	Softwoods	116	33	470	991	7 655	3 645	226	438	1 607	30 355	28	45 564
	Hardwoods	2	7	22	68	464	505	43	6	16	2	-	1 136
	Total	**118**	**40**	**492**	**1 059**	**8 119**	**4 150**	**270**	**444**	**1 622**	**30 357**	**28**	**46 700**
1980	Softwoods	99	35	427	1 146	7 361	3 868	247	394	1 704	28 202	40	43 524
	Hardwoods	2	2	18	78	698	599	37	21	12	5	-	1 472
	Total	**101**	**38**	**444**	**1 224**	**8 059**	**4 468**	**284**	**415**	**1 716**	**28 207**	**40**	**44 995**
1981	Softwoods	77	35	379	865	7 030	3 717	191	440	1 926	24 544	32	39 237
	Hardwoods	2	7	24	59	354	471	31	11	19	3	-	980
	Total	**79**	**42**	**403**	**924**	**7 384**	**4 181**	**222**	**452**	**1 945**	**24 547**	**32**	**40 217**

II - 7. Lumber Production by Province and Species Group, 1950-1989 (concluded)

Year	Species	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
							1 000 m^3						
1982	Softwoods	68	24	338	660	6 100	3 328	222	450	1 746	23 406	22	36 364
	Hardwoods	1	5	22	49	417	536	31	8	20	-	-	1 088
	Total	**70**	**28**	**361**	**708**	**6 517**	**3 864**	**252**	**458**	**1 767**	**23 406**	**22**	**37 452**
1983	Softwoods	86	38	405	1 124	8 515	3 606	172	457	2 447	30 774	-	47 624
	Hardwoods	2	-	18	66	326	511	40	-	77	4	-	1 043
	Total	**88**	**38**	**423**	**1 190**	**8 841**	**4 117**	**212**	**457**	**2 524**	**30 778**	-	**48 666**
1984	Softwoods	88	38	445	1 012	8 383	3 972	105	520	2 287	30 859	-	47 708
	Hardwoods	1	-	15	55	469	586	33	-	119	3	-	1 281
	Total	**89**	**38**	**460**	**1 066**	**8 852**	**4 559**	**138**	**520**	**2 405**	**30 862**	-	**48 989**
1985[a]	Softwoods	-	-	478	1 459	10 289	4 754	151	496	2 825	32 993	-	53 443
	Hardwoods	-	-	14	45	429	587	11	-	57	-	-	1 144
	Total	-	-	**492**	**1 504**	**10 717**	**5 341**	**162**	**496**	**2 882**	**32 994**	-	**54 588**
1986[a]	Softwoods	-	-	495	1 649	10 648	5 324	222	471	3 125	31 466	-	53 400
	Hardwoods	-	-	15	51	561	726	35	-	64	1	-	1 453
	Total	-	-	**511**	**1 700**	**11 209**	**6 050**	**256**	**471**	**3 189**	**31 468**	-	**54 853**
1987[a]	Softwoods	-	-	466	1 664	11 338	5 161	283	529	3 516	37 332	-	60 289
	Hardwoods	-	-	18	52	597	703	43	-	72	3	-	1 487
	Total	-	-	**484**	**1 716**	**11 935**	**5 864**	**325**	**529**	**3 587**	**37 336**	-	**61 775**
1988[a]	Softwoods	-	-	517	1 717	10 462	5 333	228	516	3 737	36 733	-	59 243
	Hardwoods	-	-	21	53	551	727	31	-	76	3	-	1 463
	Total	-	-	**538**	**1 769**	**11 013**	**6 060**	**260**	**516**	**3 814**	**36 736**	-	**60 706**
1989[a]	Softwoods	-	-	565	1 344	10 119	5 279	316	531	3 945	35 947	-	58 047
	Hardwoods	-	-	8	76	388	666	24	-	81	4	-	1 246
	Total	-	-	**573**	**1 420**	**10 507**	**5 945**	**340**	**531**	**4 026**	**35 952**	-	**59 293**

[a]1950-1984 data from the annual Census of Manufactures, 1985-1989 data from the monthly survey.

Note: Figures for the period 1985-1989 were revised in October 1990.

Source: Statistics Canada Cat. No. 35-204, 35-250, 35-003, and 35-002.

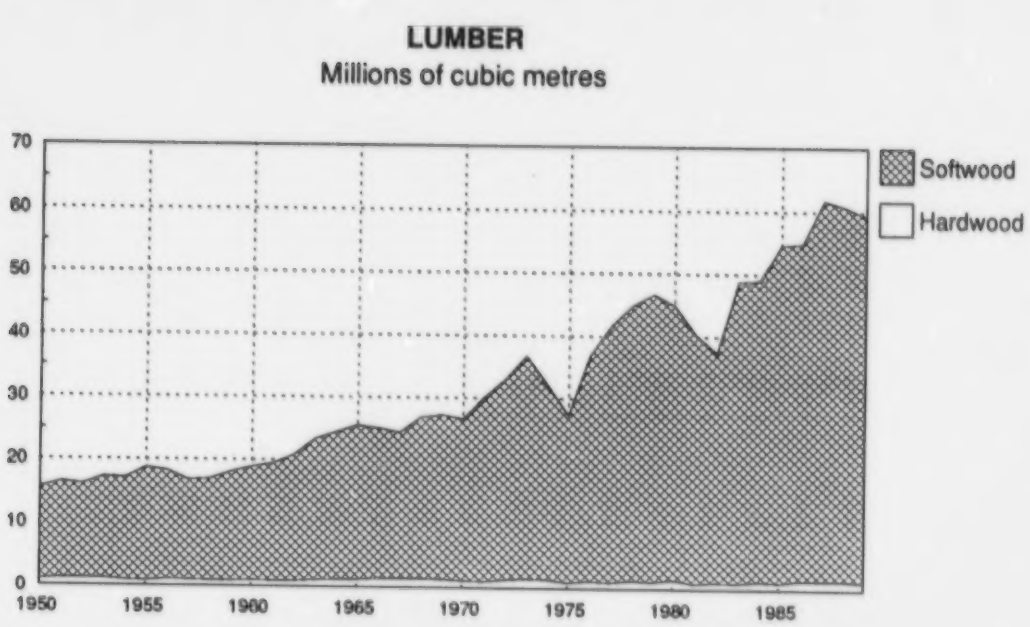

Figure 10. Lumber production in Canada, 1950-1989.

Source: Statistics Canada, Cat. No. 35-204, 35-250, 35-002 and 35-003.

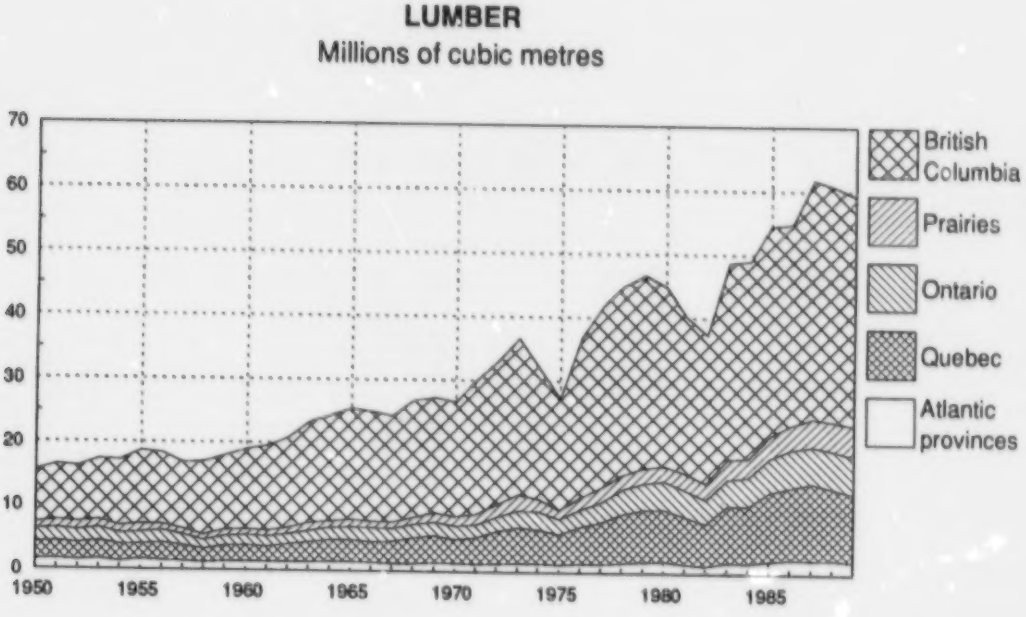

Figure 11. Lumber production by region, 1950-1989.

Source: Statistics Canada, Cat. No. 35-204, 35-250, 35-002 and 35-003.

II - 8. Shipments of Hardwood Lumber[a] by Species Group, 1970-1986

Year	Maple	Yellow birch	White birch	Poplar, aspen, cottonwood	Elm	Basswood	Beech	Ash	Oak	Other[b]	Total hardwoods	Total softwoods and hardwoods
A. Quantity (1 000 m^3)												
1970	391	270	33	27	41	37	12	7	12	229	1 059	25 857
1975	364	219	9	39	18	24	16	9	12	93	803	25 917
1976	353	225	7	39	16	27	15	9	14	105	810	33 693
1977	325	208	20	41	7	25	14	10	18	111	779	39 014
1978	343	231	19	48	9	32	17	10	23	111	843	41 980
1979	407	197	26	65	9	32	19	13	39	132	939	42 948
1980	331	172	29	67	7	28	19	13	40	127	833	40 348
1981	307	159	21	54	6	30	13	9	37	106	742	39 180
1982	199	97	18	87	2	23	12	7	40	50	535	35 098
1983	211	149	24	162	1	21	13	6	39	43	668	44 772
1984	228	138	36	148	1	19	13	6	52	83	724	46 802
1985	422e	155e	44e	227e	x	..	23e	26e	115e	87e	1 099[c]	52 452e
1986	301e	253e	93e	237e	x	63e	31e	28e	170e	64e	1 240e	52 692e
B. Value ($000 000)												
1970	23	15	1	1	2	2	-	-	1	11	56	925
1975	29	19	1	2	1	2	1	1	1	8	65	1 473
1976	30	21	1	2	1	3	1	1	2	8	69	2 203
1977	30	20	2	3	1	3	1	1	2	9	71	2 960
1978	36	25	2	3	1	4	1	1	3	10	87	3 863
1979	51	26	3	6	1	4	2	2	6	16	117	4 667
1980	43	24	4	6	1	4	2	2	9	15	110	4 005
1981	42	22	3	5	1	4	1	1	8	15	102	3 623
1982	26	14	2	9	1	4	1	1	8	6	72	3 106
1983	32	25	3	14	--	3	2	1	8	5	94	4 598
1984	36	24	5	17	--	3	2	1	10	16	115	4 736
1985	73e	28	7	28e	x	6e	4	5	36e	10e	197[d]	5 501e
1986	53e	45e	13e	29e	x	5e	5	6e	51e	12e	223e	6 019e

[a] As reported by sawmills and planing mills.
[b] Including red alder in some cases.
[c] Including elm and basswood (or approximately 36 000 m^3).
[d] Including elm (or approximately $1 000 000).

Note: Data not compiled, edited or estimated by Statistics Canada for the 1987 Census of Manufactures.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 9. Shipments of Softwood Lumber[a] by Species Group, 1970-1986

Year	Spruce	Hemlock	Douglas-fir	Cedar	Jack and lodgepole pines	White pine	Ponderosa red pine	Balsam fir	Yellow cypress	Other	Total softwoods	Total softwoods and hardwoods
A. Quantity (1 000 m^3)												
1970	10 482	4 687	3 943	1 957	1 774	493	96	481	45	841	24 799	25 857
1975	13 701	3 549	2 510	1 945	2 409	423	77	263	114	122	25 113	25 917
1976	17 370	5 625	3 214	2 592	2 991	504	101	204	142	142	32 885	33 693
1977	20 700	6 870	3 187	2 535	3 737	541	82	304	92	187	38 235	39 014
1978	21 857	7 093	3 281	2 709	4 818	688	99	337	148	107	41 137	41 980
1979	22 812	6 371	3 535	2 564	5 168	642	86	581	119	131	42 009	42 948
1980	21 654	6 034	2 912	2 594	4 743	570	96	635	104	164	39 515	40 348
1981	21 581	5 091	2 580	2 722	4 759	572	129	779	142	83	38 438	39 180
1982	19 739	4 402	2 237	2 470	3 916	535	283	772	140	67	34 563	35 098
1983	26 377	5 360	2 696	2 976	4 485	631	79	973	181	345	44 104	44 772
1984	31 058	5 370	2 807	3 078	2 185	649	149	560	166	56	46 078	46 802
1985	35 753	5 587	2 753	3 333[b]	2 073	823e	164e	650	217	..	51 353e	52 452e
1986	36 114	5 511	2 408	2 960	2 398	729	240	762	247	83e	51 452e	52 692e
B. Value ($000 000)												
1970	333	168	146	92	54	26	4	17	3	27	870	925
1975	694	216	150	158	115	36	5	16	9	9	1 408	1 473
1976	1 007	385	219	272	162	45	9	13	13	9	2 134	2 203
1977	1 381	552	263	332	243	54	7	23	18	16	2 889	2 960
1978	1 810	663	319	436	394	81	10	30	24	9	3 776	3 863
1979	2 123	777	437	542	468	93	11	55	32	12	4 551	4 667
1980	1 831	742	322	420	383	83	11	58	28	16	3 894	4 005
1981	1 749	532	264	412	359	84	15	67	31	8	3 521	3 623
1982	1 475	478	207	388	281	77	26	71	25	6	3 034	3 106
1983	2 360	628	270	577	401	96	11	89	38	34	4 504	4 598
1984	2 735	589	286	588	199	109	20	55	34	5	4 620	4 736
1985	3 228	655	306	616[b]	196	141	23e	62	50	28	5 305e	5 501e
1986	3 550	752	285	605	249	126	35e	74	87	33	5 796e	6 019e

[a] As reported by sawmills and planing mills.
[b] Including shingles and shakes.

Note: Data not compiled, edited or estimated by Statistics Canada for the 1887 Census of Manufactures.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 10. Shipments of Softwood Lumber[a] by Province, 1970-1984

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Quantity (1 000 m^3)											
1970	46*	4	398	594	3 089	1 244	61*	222*	1 149*	18 009	24 799
1975	17	-	289	592	4 333	1 502	146*	354*	1 017*	16 874	25 113
1976	9	-	281	686	5 111	1 665	155*	347*	1 207*	23 437	32 865
1977	5	-	300	683	6 208	2 062	175*	469*	1 435*	26 920*	38 235
1978	x	-	334	825	7 088	2 464	191*	472*	1 466*	28 301*	41 137
1979	21	x	323	978	7 315	2 869	210	450*	1 547*	28 283*	42 009
1980	12	x	260	928	7 013	2 833	198	344*	1 519	26 399*	39 515
1981	-	x	253	888	6 947	3 058	215*	423*	1 783	24 867*	38 438
1982	x	x	229	584	5 956	2 584	164*	387*	1 701	22 954*	34 563
1983	x	x	258	887	7 705	3 141	153*	442	2 348	29 167	44 104
1984	x	x	273	968	8 117	3 553	135*	481	2 683	29 859	46 078
B. Value ($000 000)											
1970	2*	--	16	23	107	48	2*	7*	34*	632	870
1975	1	-	22	39	232	91	10*	17*	49*	949	1 406
1976	1	-	23	46	302	110	10*	19*	68*	1 556	2 134
1977	1	-	26	49	397	155	12*	33*	95*	2 121*	2 889
1978	x	-	32	69	543	232	16*	39*	121*	2 724*	3 776
1979	2	x	36	93	645	287	22	39*	136*	3 289*	4 551
1980	1	x	32	92	589	263	17	26*	112	2 762*	3 894
1981	-	x	31	84	571	289	18*	32*	131	2 364*	3 521
1982	x	x	27	53	470	240	14*	27*	113	2 089*	3 034
1983	x	x	34	88	702	329	16*	40	201	3 092	4 504
1984	x	x	39	95	778	373	15*	42	221	3 057	4 620

[a]Where softwood lumber figures are not available, the total figure for softwood and hardwood is indicated.

Note: Data for 1985 and 1986 are confidential.
Data not compiled, edited or estimated by Statistics Canada for the 1987 Census of Manufactures.

Source: Statistics Canada Cat. No. 35-204.

II - 11. Shipments of Lumber from Province of Origin to Point of Destination,[a] 1982-1989

Point of destination/ year	Province of origin					
	Quebec	Ontario	Alberta	British Columbia	Other provinces	Canada
			1 000 m^3			
A. Canada						
1982	3 228	1 541	1 011	6 645	847	13 272
1985	5 255	2 218	2 779	10 149	1 244	21 645
1986	5 786	2 356	2 985	9 600	1 346	22 073
1987	6 122	3 015	2 289	11 192	1 359	23 977
1988	5 525	x	2 933	10 390	4 504[b]	23 352
1989	5 183	x	3 007	10 010	4 176[b]	22 376
B. United States						
1982	2 123	x	763	12 149	1 677[b]	16 712
1985	3 149	x	257	18 486	2 795[b]	24 687
1986	3 225	x	171	17 370	2 685[b]	23 451
1987	x	x	1 298	19 979	5 178[c]	26 456
1988	2 910	x	880	19 112	1 868[b]	24 770
1989	x	x	845	18 753	4 723[c]	24 321
C. Other countries						
1982	417	x	-	4 377	231[b]	5 025
1985	116	x	-	3 810	78[b]	4 004
1986	176	x	-	3 822	155[b]	4 153
1987	x	x	-	5 739	442[c]	6 181
1988	x	x	-	6 141	713[c]	6 854
1989	x	x	-	6 039	912[c]	6 951
D. Estimated shipments and adjustments[d]						
1982	1 052	1 064	-	1 152	258	3 526
1985	1 284	1 028	-	777	623	3 712
1986	1 402	938	-	675	373	3 388
1987	2 268	960	-	679	595	4 502
1988	2 511	912	-	980	868	5 271
1989	1 882	1 735	-	1 168	686	5 471
E. Total shipments[e]						
1982	6 821	3 945	1 774	24 323	1 672	38 535
1985	10 603	5 417	2 882	33 221	2 669	54 792
1986	11 207	6 012	3 189	31 467	2 914	54 789
1987	11 719	5 856	3 587	37 592	3 026	61 780
1988	10 861	5 906	3 812	36 622	3 032	60 233
1989	10 596	5 899	3 958	35 969	2 926	59 348

[a]Census of manufactures monthly survey.
[b]Including confidential figures for Ontario.
[c]Including confidential figures for Ontario and Quebec.
[d]Sawmills in Nova Scotia producing less than 2 360 m^3, sawmills in New Brunswick, Quebec, Ontario, and Manitoba producing less than 4 720 m^3 per year, and sawmills in British Columbia producing less than 7 080 m^3 per year are excluded from this survey. In Saskatchewan, only the Saskatchewan Timber Board and the few relatively large independent mills are asked to report; Alberta data are produced by Alberta. All other mills are estimated. The total shipments are free of duplication.
[e]Total shipments may not add up due to 1986 benchmark revisions for the years 1986-1988.

Source: Statistics Canada Cat. No. 35-002 and 35-003.

II - 12. Wood Pulp Production by Category, 1950-1989

Year	Dissolving and special alpha, sulphite and sulphate	Chemical					Semi-chemical	Mechanical		Screenings chemical and mechanical	Pulp other than wood pulp	Total
		Sulphite		Sulphate				Groundwood	Defibrated and exploded			
		Bleached	Unbleached	Bleached	Semibleached	Unbleached						
		1 000 t										
1950	305	386	1 315	408	..[a]	548	..	4 455	..	96	174	7 688
1960	356	519	1 559	1 062	257	895	..	5 335	143	66	205	10 398
1970	411	683	1 871	3 660	1 084	1 341	296	6 940	259	64	-	16 609
1971	388	587	1 706	3 853	1 150	1 467	301	6 718	307	65	-	16 541
1972	370	526	1 711	4 391	1 127	1 639	337	6 967	330	55	-	17 453
1973	293	507	1 750	5 049	1 097	1 922	349	7 196	345	55	-	18 562
1974	333	734	1 865	5 409	1 097	1 942	328	7 589	320	62	-	19 679
1975	226	516	1 443	4 219	863	1 314	233	6 007	263	28	-	15 113
1976	222	609	1 648	5 265	1 037	1 560	269	7 036	259	41	-	17 947
1977	230	636	1 621	5 300	1 039	1 574	263	7 226	243	34	-	18 168
1978	341	516	1 787	5 871	1 054	1 942	318	7 910	369	44	-	20 152
1979	311	478	1 806	6 282	1 038	2 061	354	7 956	397	45	-	20 728
1980	313	405	1 763	6 754	1 182	1 689	333	7 521	..	25	-	19 985
1981	274	430	1 819	6 261	1 057	1 497	322	7 647	..	19	-	19 326
1982	220	280	1 446	5 915	916	1 235	255	6 879	..	18	-	17 164
1983	216	304	1 353	6 743	1 019	1 486	306	7 934	..	15	-	19 376
1984	221	366	1 405	6 782	1 065	1 469	331	8 690	..	17	-	20 346
1985	222	329	1 269	7 047	1 170	1 383	258	8 722	..	17	-	20 417
1986	223	428	1 248	7 623	1 188	1 410	321	9 252	..	19	-	21 712
1987	241	454	1 296	8 211	1 169	1 474	353	9 817	..	17	-	23 032
1988	266	441	1 298	8 377	1 100	1 457	335	10 407	..	16	..	23 697
1989[b]	273	416	1 212	8 445	1 051	1 344	339	10 470	..	13	..	23 562

[a] Included with sulphate-bleached wood pulp.
[b] Canadian Pulp and Paper Association, Statistical Bulletin.

Sources: Statistics Canada Cat. No. 36-204 and 36-250. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1989 and Special Compilation. 1980-1988.

II - 13. Wood Pulp Production by Region, 1950-1989

Year	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
1950	3 559	2 085	705	1 339	7 688
1960	4 055	2 692	1 927	1 725	10 398
1970	5 898	3 601	4 100	3 011	16 609
1971	5 666	3 447	4 409	3 020	16 541
1972	5 893	3 572	4 576	3 412	17 453
1973	5 591	3 669	5 337	3 966	18 562
1974	6 352	3 878	5 267	4 182	19 679
1975	5 198	2 540	3 998	3 378	15 113
1976	5 881	3 060	5 320	3 685	17 947
1977	5 860	3 662	4 831	3 815	18 168
1978	6 632	4 127	5 426	3 968	20 152
1979	6 869	4 322	5 523	4 014	20 728
1980	6 109	4 101	5 727	4 048	19 985
1981	6 458	4 095	4 830	3 943	19 326
1982	5 759	3 453	4 814	3 138	17 164
1983	6 277	3 862	5 699	3 538	19 376
1984	6 538	4 243	5 367	4 198	20 346
1985	6 331	4 097	6 024	3 965	20 417
1986	6 854	4 258	6 345	4 255	21 712
1987	7 208	4 372	7 035	4 420	23 035
1988	7 542	4 448	7 236	4 471	23 697
1989[a]	7 321	4 457	7 180	4 650	23 608

[a]Canadian Pulp and Paper Association, monthly survey.

Note: Approximately 78% of the wood pulp is used in production of paper and board in Canada.

Sources: Statistics Canada Cat. No. 36-204. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1989 and Special Compilation. 1980-1989.

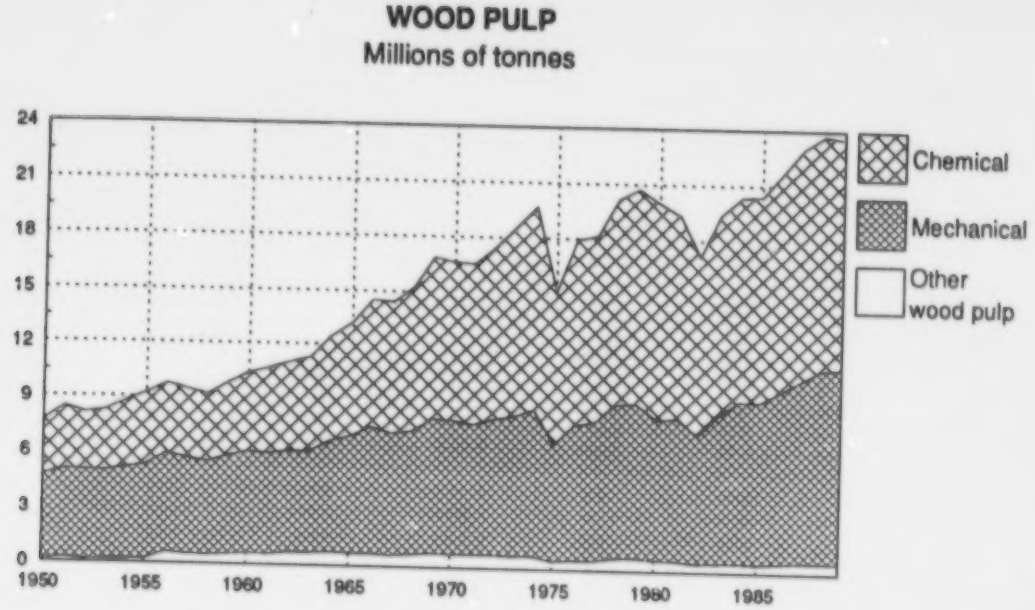

Figure 12. Wood pulp production in Canada, 1950-1989.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

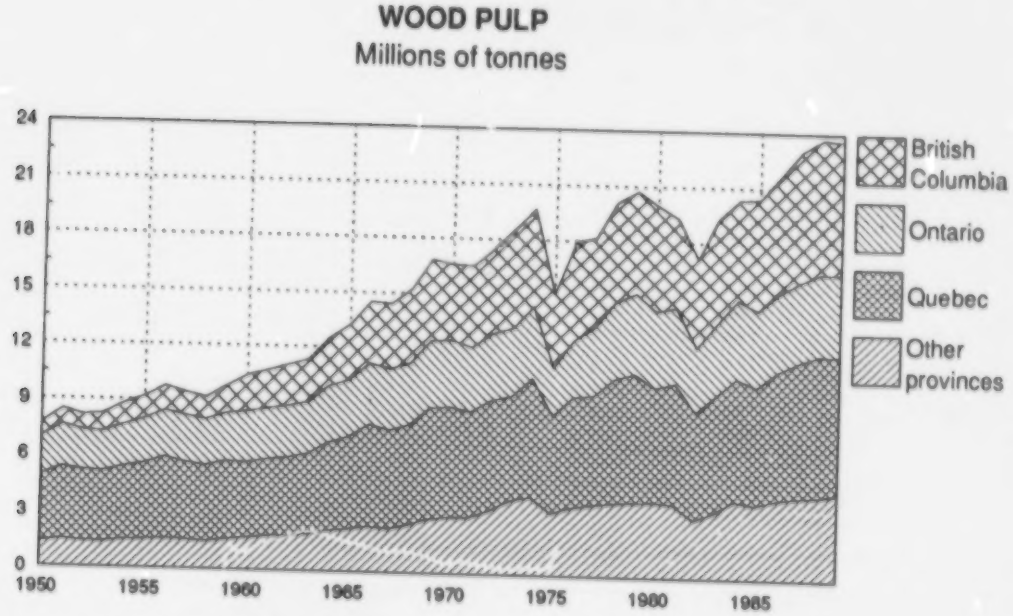

Figure 13. Wood pulp production by region, 1950-1989.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

II - 14. Shipments of Wood Pulp by Category, 1960-1989

Year	Dissolving and special alpha	Chemical					Mechanical	Total
		Sulphite		Sulphate				
		Bleached	Unbleached	Bleached	Semibleached	Unbleached		
A. Quantity (1 000 t)								
1960	347	416	226	998	151	347	314	2 798
1970	394	555	238	3 437	706	413	304	6 046
1975	210	462	105	3 853	467	329	224	5 650
1976	214	559	132	4 757	552	288	266	6 769
1977	228	596	107	4 879	663	305	288	7 066
1978	324	492	120	5 764	704	293	323	8 021
1979	324	441	133	5 890	645	292	364	8 089
1980	272	400	133	6 132	671	233	325	8 165
1981	266	408	115	5 874	604	245	327	7 836
1982	220	370	82	5 403	513	186	280	7 012
1983	x	353	x[a]	6 377	591	198	477	8 299[b]
1984	x	331	x[a]	6 397	540	165	653	8 281[b]
1985	x	422	x[a]	6 785	630	x	583	8 696[b]
1986	x	475	x[a]	7 462	619	x	682	9 510[b]
1987	..	..	..	..	..	..	..	10 019[b]
1988	..	..	..	..	..	..	..	10 108[b]
1989[c]	..	..	..	..	..	..	..	10 008
B. Value ($000 000)								
1960	59	61	27	145	17	33	26	389
1970	77	86	32	544	102	52	21	913
1975	87	161	31	1 392	168	101	43	1 983
1976	85	181	35	1 625	196	85	48	2 255
1977	95	190	29	1 595	231	81	50	2 271
1978	137	154	33	1 785	218	78	57	2 462
1979	158	182	47	2 445	268	103	85	3 288
1980	166	201	56	3 176	349	103	89	4 141
1981	170	206	[illegible]	3 057	319	117	88	4 005
1982	144	143	[illegible]	2 851	253	86	74	3 384
1983	x	164	x[a]	2 775	254	72	128	3 519
1984	x	156	x[a]	3 410	289	79	201	4 309
1985	x	198	x[a]	3 090	279	x	184	3 964
1986	x	255	x[a]	3 747	318	x	237	4 786

[a] Unbleached included with bleached.
[b] Canadian Pulp and Paper Association.
[c] Canadian Pulp and Paper Association monthly survey.

Note: Data (value) not compiled, edited or estimated by Statistics Canada for the 1987 Census of Manufactures.

Sources: Statistics Canada Cat. No. 36-204 and 36-250 and Canadian Pulp and Paper Association Reference Tables 1989 and Special Compilation.

II - 15. Shipments of Wood Pulp from Province of Origin to Point of Destination, 1980-1989

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
A. Canada					
1980	543	341	132	173	1 189
1981	543	372	119	164	1 198
1982	540	330	125	137	1 132
1983	649	404	152	153	1 358
1984	525	439	189	252	1 405
1985	514	492	256	239	1 501
1986	602	488	272	275	1 637
1987	641	459	273	401	1 773
1988	602	430	302	371	1 705
1989	644	439	246	329	1 658
B. United States					
1980	442	948	813	1 230	3 433
1981	460	910	698	1 216	3 284
1982	348	762	372	1 074	2 856
1983	388	951	835	1 115	3 289
1984	416	1 023	764	1 224	3 427
1985	383	921	879	1 227	3 410
1986	428	964	879	1 254	3 525
1987	427	1 006	896	1 253	3 582
1988	427	1 049	947	1 264	3 686
1989	411	1 063	959	1 254	3 687
C. Other countries					
1980	238	115	2 689	729	3 771
1981	227	135	2 296	698	3 356
1982	190	92	2 140	550	2 972
1983	190	100	2 550	668	3 508
1984	180	86	2 193	814	3 273
1985	186	117	2 592	705	3 600
1986	284	156	2 849	860	4 149
1987	309	161	3 272	739	4 481
1988	334	155	3 251	732	4 471
1989	434	105	3 345	779	4 663
D. Total shipments					
1980	1 222	1 405	3 635	2 132	8 393
1981	1 230	1 417	3 113	2 078	7 838
1982	1 078	1 184	2 937	1 761	6 960
1983	1 227	1 455	3 537	1 936	8 155
1984	1 121	1 548	3 146	2 290	8 105
1985	1 083	1 530	3 727	2 171	8 511
1986	1 314	1 608	4 000	2 389	9 311
1987	1 376	1 626	4 441	2 394	9 837
1988	1 363	1 634	4 499	2 366	9 862
1989	1 489	1 607	4 550	2 362	10 008

Source: Canadian Pulp and Paper Association monthly survey, special compilation.

II - 16. Basic Paper and Paperboard Production by Category, 1950-1989

Year	Newsprint	Book and writing	Sanitary	Tissue other than sanitary	Wrapping[a]	Building paper	Paper-board	Total
				1 000 t				
1950	4 825	194	59	11	202	83	796	6 160
1960	6 068	366	113	22	292	75	1 159	8 095
1970	7 996	821	199	19	438	101	1 678	11 252
1975	7 010	679	241	17	431	146	1 542	10 066
1976	8 063	842	258	16	526	149	1 908	11 791
1977	8 066	1 116	292	19	556	143	1 944	12 136
1978	8 739	1 377	314	17	628	129	2 171	13 376
1979	8 642	1 606	343	19	617	125	2 290	13 641
1980	8 625	1 509	377[b]	..	533	..	2 344	13 388
1981	8 946	1 432	388[b]	..	490	..	2 347	13 603
1982	8 109	1 475	375[b]	..	454	..	1 982	12 395
1983	8 486	1 723	385[b]	..	472	..	2 286	13 352
1984	9 013	1 943	399[b]	..	430	..	2 440	14 225
1985	8 988	2 143	447[b]	..	487	..	2 374	14 439
1986	9 288	2 400	459[b]	..	541	..	2 573	15 281
1987	9 669	2 656	456[b]	..	567	..	2 695	16 043
1988	9 969	2 913	488[b]	..	568	..	2 702	16 640
1989[c]	9 678	3 190	487[b]	..	525	..	2 674	16 555

[a] Including sack kraft and other kraft paper.
[b] Including tissue, other than sanitary.
[c] Canadian Pulp and Paper Association Statistical Bulletin.

Sources: Statistics Canada Cat. No. 25-202, 36-204, 1950-1978. Canadian Pulp and Paper Association Reference Tables 1989 and Special Compilation, 1980-1989.

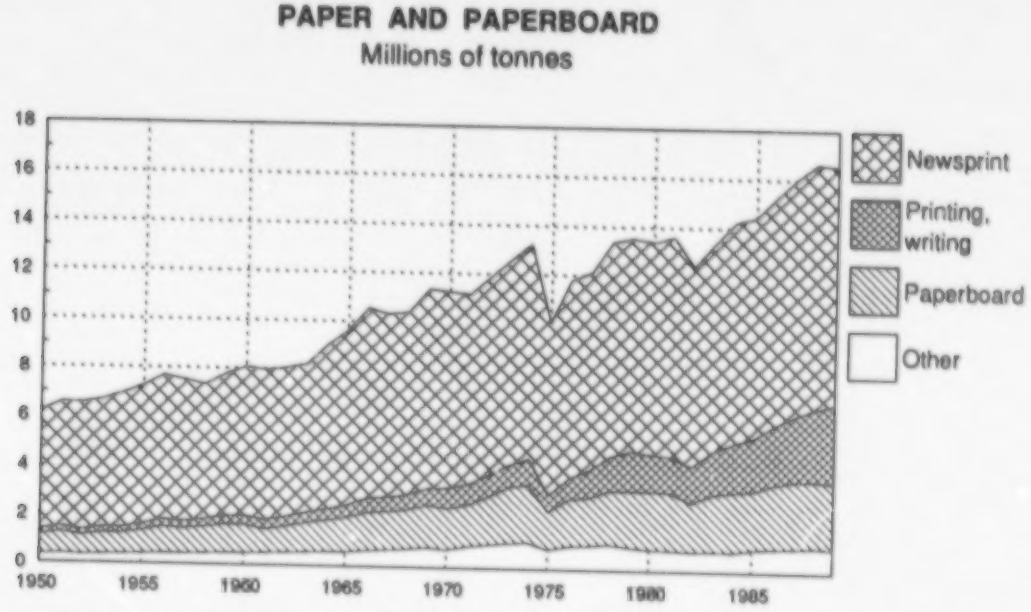

Figure 14. Basic paper and paperboard production in Canada, 1950-1989.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

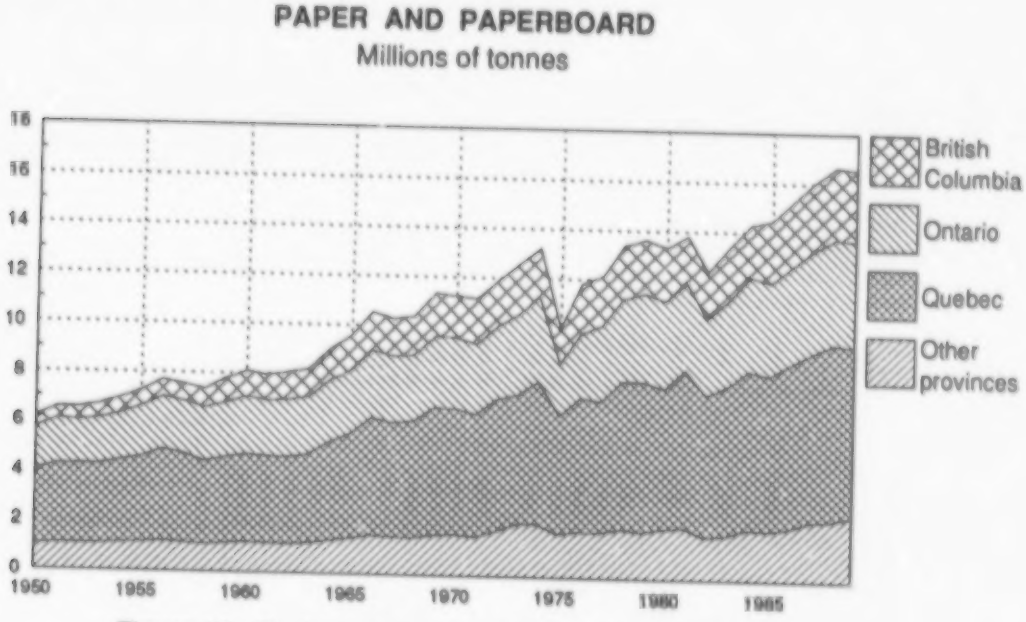

Figure 15. Basic paper and paperboard production by region, 1950-1989.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

II - 17. Basic Paper and Paperboard Production by Category and Region, 1950-1989

Year	Quebec			Ontario			British Columbia	Other provinces	Canada		
	Newsprint	Other paper and paperboard	Total	Newsprint	Other paper and paperboard	Total	Total paper and paperboard	Total paper and paperboard	Newsprint	Other paper and paperboard	Total
						1 000 t					
1950	2 510	499	3 009	1 125	602	1 727	452	993	4 826	1 355	6 180
1960	2 863	680	3 543	1 459	855	2 313	1 043	1 195	6 068	2 027	8 095
1970	3 766	1 298	5 064	1 686	1 198	2 883	1 675	1 631	7 996	3 256	11 252
1975	3 529	1 236	4 765	1 140	959	2 099	1 477	1 725	7 010	3 056	10 066
1976	3 931	1 447	5 378	1 411	1 181	2 592	1 977	1 844	8 063	3 728	11 791
1977	3 726	1 560	5 286	1 610	1 476	3 086	1 952	1 813	8 086	4 070	12 136
1978	4 124	1 830	5 954	1 663	1 654	3 317	2 137	1 967	8 739	4 637	13 376
1979	4 075	1 996	6 071	1 743	1 810	3 553	2 154	1 883	8 642	4 999	13 641
1980	3 921	1 886	5 807	1 756	1 764	3 520	2 165	1 997	8 625	4 883	13 488
1981	4 287	1 869	6 156	1 774	1 755	3 529	1 874	2 067	8 951	4 675	13 626
1982	4 062	1 643	5 705	1 485	1 642	3 127	1 872	1 702	8 108	4 298	12 406
1983	4 075	1 890	5 965	1 639	1 831	3 470	2 148	1 778	8 485	4 876	13 361
1984	4 222	2 120	6 342	1 825	1 949	3 774	2 085	2 038	9 014	5 223	14 237
1985	4 118	2 132	6 250	1 722	2 017	3 739	2 486	1 971	8 988	5 451	14 439
1986	4 285	2 323	6 608	1 773	2 150	3 923	2 601	2 112	9 288	5 973	15 261
1987	4 487	2 306	6 793	1 840	2 295	4 135	2 753	2 369	9 669	6 374	16 044
1988	4 647	2 466	7 113	1 881	2 333	4 214	2 878	2 435	9 969	6 672	16 640
1989	4 321	2 503	6 824	1 871	2 402	4 273	2 846	2 613	9 678	6 878	16 556

Sources: Statistics Canada Cat. No. 25-202, 36-204, 1950-1979. Canadian Pulp and Paper Association monthly survey, 1980-1989.

II - 18. Shipments of Basic Paper and Paperboard by Category, 1960-1989

Year	Newsprint	Book and writing paper	Sanitary	Tissue other than sanitary	Wrapping[a]	Building paper	Paperboard	Total
A. Quantity (1 000 t)								
1960	6 146	383	37	13	273	75	877	7 795
1970	7 951	798	93	14	439	99	1 800	10 994
1975	7 046	680	87	12	422	141	1 504	9 892
1976	7 953	818	98	12	518	152	1 791	11 341
1977	8 111	1 085	108	15	546	140	1 874	11 880
1978	8 773	1 352	116	16	637	129	2 146	13 167
1979	8 667	1 573	137	17	606	125	2 208	13 333
1980	8 419	1 617	133	16	538	151	2 267	13 140
1981	8 836	1 582	138	16	516	125	2 305	13 519
1982	7 740	1 684	129	15	448	120	1 926	12 062
1983	8 440	1 712	122	17	464	120	2 169	13 044
1984	8 992	1 974	163	..	467[b]	122	2 348	14 066
1985[c]	8 998	2 121	455[d]	..	476	..	2 398	14 445
1986[c]	9 302	2 395	467[d]	..	549	..	2 599	15 312
1987[c]	9 761	2 652	472[d]	..	562	..	2 695	16 142
1988[c]	9 867	2 885	489[d]	..	565	..	2 681	16 487
1989[e]	9 664	..	..	..	..	..	..	16 510
B. Value ($000 000)								
1960	793	108	9	5	66	8	140	1 128
1970	1 107	238	28	7	102	9	269	1 757
1975	1 847	346	47	10	180	19	412	2 861
1976	2 180	404	62	10	204	21	503	3 383
1977	2 570	559	70	12	210	23	519	3 965
1978	3 004	729	75	13	270	24	615	4 730
1979	3 336	974	89	16	316	26	734	5 491
1980	3 723	1 133	111	17	327	38	856	6 205
1981	4 386	1 205	133	19	327	36	959	7 065
1982	4 057	1 337	138	19	305	33	850	6 740
1983	4 156	1 364	119	21	306	31	986	6 982
1984	4 821	1 711	134	..	340[b]	33	1 156	8 194
1985	4 958	x	x	x	370	x	x	..
1986	5 205	2 422	x	x	426	x	1 283	..

[a]Including sack kraft and other kraft paper.
[b]Tissue paper, other than sanitary, included with wrapping.
[c]Canadian Pulp and Paper Association.
[d]Including tissue other than sanitary.
[e]Canadian Pulp and Paper Association monthly survey.

Note: Data (value) not compiled, edited or estimated by Statistics Canada for the 1987 Census of Manufactures.

Sources: Statistics Canada Cat. No. 36-204, 36-250 and Canadian Pulp and Paper Association Reference Tables 1989 and Special Compilation.

II - 19. Shipments of Newsprint from Province of Origin to Point of Destination, 1980-1989

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
A. Canada					
1980	523	161	189	108	980
1981	571	192	178	105	1 046
1982	521	141	189	83	934
1983	531	158	174	107	970
1984	608	169	143	150	1 070
1985	590	181	168	102	1 032
1986	615	208	188	110	1 121
1987	682	213	177	111	1 183
1988	708	221	194	105	1 227
1989	650	192	197	113	1 152
B. United States					
1980	2 793	1 589	909	826	6 116
1981	2 991	1 570	780	717	6 058
1982	2 900	1 325	788	582	5 595
1983	3 051	1 470	932	580	6 033
1984	3 213	1 638	892	843	6 586
1985	3 182	1 564	1 005	923	6 674
1986	3 237	1 553	1 024	920	6 734
1987	3 396	1 631	1 078	982	7 087
1988	3 424	1 658	1 068	938	7 087
1989	3 222	1 659	1 028	889	6 798
C. Other countries					
1980	585	9	225	705	1 524
1981	718	10	206	875	1 809
1982	615	16	188	706	1 525
1983	493	1	209	734	1 437
1984	420	.	224	719	1 363
1985	335	.	290	665	1 290
1986	439	6	252	709	1 446
1987	454	–	342	691	1 487
1988	467	.	389	728	1 554
1989	465	13	440	796	1 714
D. Total shipments					
1980	3 900	1 759	1 323	1 639	8 622
1981	4 280	1 772	1 164	1 697	8 913
1982	4 036	1 482	1 162	1 371	8 054
1983	4 075	1 629	1 315	1 421	8 440
1984	4 240	1 807	1 259	1 712	9 018
1985	4 097	1 745	1 464	1 690	8 996
1986	4 291	1 767	1 504	1 739	9 301
1987	4 532	1 844	1 598	1 784	9 757
1988	4 598	1 879	1 621	1 769	9 867
1989	4 337	1 864	1 665	1 798	9 664

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 20. Shipments of Other Paper and Paperboard from Province of Origin to Point of Destination, 1980-1989

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
A. Canada					
1980	1 401	1 326	376	220	3 323
1981	1 427	1 329	356	213	3 325
1982	1 210	1 257	302	198	2 967
1983	1 314	1 379	319	194	3 206
1984	1 408	1 488	319	302	3 397
1985	1 546	1 508	363	176	3 601
1986	1 529	1 565	422	214	3 730
1987	1 481	1 677	430	221	3 809
1988	1 546	1 644	434	219	3 844
1989	1 449	1 598	423	242	3 712
B. United States					
1980	374	376	37	80	867
1981	356	390	26	23	795
1982	383	356	54	15	808
1983	475	428	110	26	1 039
1984	626	453	124	17	1 220
1985	621	485	224	32	1 362
1986	751	562	284	83	1 880
1987	747	630	321	254	1 942
1988	833	647	350	295	2 126
1989	968	774	367	411	2 520
C. Other countries					
1980	117	58	421	71	667
1981	82	31	318	98	529
1982	54	35	348	100	537
1983	86	20	383	124	613
1984	75	22	363	119	579
1985	51	22	447	75	596
1986	68	22	441	108	639
1987	75	20	414	124	634
1988	59	23	441	129	652
1989	81	19	379	135	614
D. Total shipments					
1980	1 892	1 760	834	371	4 857
1981	1 865	1 750	700	334	4 649
1982	1 647	1 648	704	313	4 312
1983	1 875	1 827	812	344	4 858
1984	2 109	1 943	806	338	5 196
1985	2 128	2 013	1 034	283	5 458
1986	2 348	2 149	1 127	405	6 029
1987	2 304	2 317	1 165	600	6 385
1988	2 438	2 314	1 225	644	6 621
1989	2 498	2 391	1 169	799	6 846

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 21. Shipments of Selected Wood-Based Panel Products, 1970-1989

Year	Veneer[a]			Plywood[a]			Other wood-based panels		
	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Waferboard	Particleboard	Hardboard
A. Quantity (1 000 m^3)									
1970	470	134	604	1 664	191	1 855	..	256[b]	171
1975	506	99	605	1 979	180	2 159	..	564[b]	194
1976	651	111	762	2 134	190	2 324	285	474	191
1977	750	127	877	2 359	194	2 553	384	514	172
1978	678	164	842	2 576	217	2 793	457	617	198
1979	634	x	x	2 379	x	x	528	703	193
1980	638	x	x	2 248	x	x	577	724	226
1981	616	x	x	1 978	198	2 176	665	697	163
1982	473	x	x	1 646	163	1 809	536	574	118
1983	701	x	x	x	..	2 057	851	706	162
1984	..	..	..	..	..	1 845	1 183	823	144
1985	..	..	..	..	..	1 970	1 331	1 029	151
1986	..	..	..	..	..	1 888	1 356	1 115	136
1987	..	..	..	..	..	2 223	1 589	1 310	139
1988	..	..	..	..	..	2 182	1 647	1 154	125
1989	..	..	..	..	..	2 148	2 134	1 217	295
B. Value ($000 000)									
1970	17	31	48	150	31	181	..	18[b]	..
1975	30	36	66	280	50	330	..	54[b]	..
1976	43	43	86	364	59	423	38	41	..
1977	49	48	97	406	66	472	54	52	..
1978	61	79	139	536	82	618	73	77	..
1979	64	x	x	545	x	x	89	87	..
1980	68	x	x	493	x	x	80	106	..
1981	67	x	x	492	91	583	103	117	..
1982	51	x	x	350	73	423	77	96	..
1983	67	x	x	x	98	x	129	123	..
1984	..	..	..	..	..	..	185	152	..
1985	..	..	..	..	..	..	241	193	..
1986	..	..	..	..	..	..	255	229	..
1987	..	..	..	..	..	..	278	277	..
1988	..	..	..	..	..	..	258	275	..
1989	..	..	..	..	..	..	376	270	..

[a]Annual survey 1970-1983, monthly survey 1984-1989.
[b]Including waferboard.

Source: Statistics Canada Cat. No. 25-202, 35-001, 36-001, and 36-003.

SECTION III

COMMODITY TRADE

Attention **Attention** **Attention**

As a Contracting party to the Convention on the Harmonized Commodity and Coding System (Harmonized System or HS), Canada is obliged to conform to its statistical nomenclature. The Harmonized System went into effect in Canada on January 1, 1988. It is to be adopted by all member countries of the United Nations.

Trade Statistics

Merchandise Trade Statistics are used to measure the change in the stock of material resources of the country resulting from the movement of merchandise into or out of Canada. They are reported and presented on Customs basis. Canada's international merchandise trade statistics are derived almost exclusively from administrative records of Revenue Canada, Customs and Excise and are adjusted to conform with the National Accounts concepts and definitions. Canadian trade statistics are compiled according to the "General" system of trade as defined by the United Nations Statistical Office. This system, in principle, presents all goods entering the country (imports) and all goods leaving the country (exports).

Definitions

Domestic exports: Include goods grown, extracted or manufactured in Canada, including goods of foreign origin which have been materially transformed in Canada.

Re-exports: Exports of goods of foreign origin which have not been materially transformed in Canada, including foreign goods withdrawn for export from bonded Customs warehouses.

Total exports: The sum of Domestic exports and Re-exports.

Imports: Include all goods which have crossed Canada's territorial boundary, whether for immediate consumption in Canada or stored in bonded Customs warehouses.

Valuation

Imported goods: All transportation and associated costs arising in respect of the goods being appraised prior to and at the place of direct shipment to Canada are to be added to the price of the goods. Canadian imports are valued F.O.B. (free on board), place of direct shipment to Canada. It excludes freight and insurance costs in bringing the goods to Canada from the point of direct shipment.

Exported goods: Valued or recorded at the values declared on export documents which usually reflect the transaction value, i.e. actual selling price, or in case of non-arm's length transaction, the transfer price used for company accounting purposes. Most Canadian exports to overseas countries are valued at F.O.B. port of exit including domestic freight charges to that point but net of discounts and allowances. Canadian exports to the U.S.A. are valued F.O.B. place of lading net of freight charges, discounts and allowances.

Statistical Period

The reference period is the calendar month and the calendar year.

Country of origin/destination

Exports are attributed to the country which is the last known destination of the goods at the time of export. **Imports** are attributed to their country of origin, that is, the country in which the goods were grown, extracted or manufactured, in accordance with the rules of origin specified by Revenue Canada, Customs and Excise. Prior to 1988, most imports were attributed to the country of export/consignment. The principal trade areas shown in this chapter are defined in section X.B "User's guide - Trade area groupings."

Province of Origin/Clearance

Prior to April 1984, **export statistics** were presented by province of lading, indicating the province in which the goods were last laden aboard a carrier for export. Since April 1984, for most commodities, trade data are presented by province of origin which represents the province in which the goods were grown, extracted or manufactured. **Import statistics** by province of clearance indicate the province in which the goods were cleared by Customs either for immediate consumption or for entry into a bonded Customs warehouse. This may not always coincide with the province in which the goods are consumed.

Coding System

The Harmonized System is an international commodity classification (six-digit) developed under the auspices of the Customs Cooperation Council. It was extended to ten digits for imports to serve as the basis for Customs tariffs and international trade statistics. For export purposes the international six digit "root" was extended to eight digits. Canada adopted this system to replace the "Customs Tariff Schedule", as well as the "Canadian International Trade Classification" (CITC) and the "Export Commodity Classification" (XCC).

The Harmonized System is based on a fundamental principle - that goods are classified by what they are and not according to their stage of fabrication, use, made in Canada status or any other such criteria.

For example, Export HS number 4407.10.31 is divided, with each 'component' named as follows:

4407.10.31	
44	Chapter (Wood and Articles of Wood; Wood Charcoal)
4407	Heading (Wood sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or finger-jointed, of a thickness exceeding 6mm)
4407.10	Subheading (Softwood)
4407.10.31	Export HS Number (Spruce, pine and fir)

On the import side, the HS number has 10 digits, where the 7th and 8th serve as the basis for Customs tariffs and the last two are for Canadian domestic purposes.

Forestry products are classified in Chapters 44, 45, 47, 48 and one item in chapter 6.

For a list of all the possible HS numbers and their accompanying description, the reader is referred to Statistics Canada Canadian Export Classification, Catalogue 12-578E.

More Information

More information concerning the "Harmonized System" is available in the manuals titled the "Customs Tariff" catalogue RV55-2/1988E (Canadian Government Publishing Centre, Ottawa, Canada K1A 0S9) and "The Canadian Export-Import Alphabetical Index" catalogue 12-579E (Statistics Canada) or by contacting the International Trade Division, Statistics Canada K1A 0T6.

In addition to the above-mentioned change, users should note that the country classification has been expanded to resemble the classification developed by the International Organization for Standardization (ISO) which has been adopted by most of the trading countries for Customs purposes.

Comparison of HS codes and XCC codes

The Harmonized System allows for more detailed information than the Export Commodity Classification System. Both sets of codes are compared on the following pages as well as the major discrepancies.

COMPARISON OF HS CODES AND XCC CODES

Forest products	Harmonized system commodity classification codes (HS) (since 1988)	Export commodity classification (XCC) (1960-1987)
A. Primary wood products		
Logs and bolts	4403.10.90, 4403.20.22, 4403.20.24, 4403.20.40, 4403.20.50, 4403.20.61, 4403.20.62, 4403.20.70, 4403.20.80, 4403.20.90, 4403.31.00, 4403.32.00, 4403.33.00, 4403.34.00, 4403.35.00, 4403.91.00, 4403.92.00, 4403.99.20, 4403.99.30, 4403.99.40, 4403.99.90.	231.12 - 231.79, 239.39.
Pulpwood	4403.20.31, 4403.20.39, 4403.99.11, 4403.99.19.	236.24 - 236.79, 238.61 - 238.69.
Wood chips	4401.21.00, 4401.22.00.	238.29.
Other primary products	0604.91.10, 4401.10.00, 4401.30.10, 4401.30.20, 4401.30.30, 4401.30.90, 4402.00.00, 4403.10.10, 4403.20.10, 4403.10.20, 4403.20.21, 4403.10.30, 4403.20.23, 4404.10.00, 4404.20.00, 4501.10.00, 4501.90.00, 4502.00.00.	234.07 - 234.99, 238.55 - 238.99, 239.09, 239.99.
B. Wood-fabricated materials		
Lumber, softwoods	4407.10.10 - 4407.10.90.	331.30 - 331.59, 331.70, 331.76.
Lumber, hardwoods	4407.21.00 - 4407.99.90.	331.04 - 331.29, 331.65, 331.79.
Veneer, softwoods	4408.10.10, 4408.10.90.	337.33 - 337.39.
Veneer, hardwoods	4408.20.00 - 4408.90.99.	337.03 - 337.19.
Plywood, softwoods	4412.19.30, 4412.19.90, 4412.91.00, 4412.99.00.	338.72 - 338.79.
Plywood, hardwoods	4412.11.00, 4412.12.10, 4412.12.90, 4412.21.00, 4412.29.00.	338.34 - 338.59.
Shingles and shakes	4418.50.10, 4418.50.20, 4418.50.30.	333.03 - 333.09.
Waferboard	4410.10.10.	-
Particleboard	4410.10.90, 4410.90.00.	-
Fibreboard*	4411.11.00 - 4411.99.00.	-
Other wood products	4406.10.00, 4406.90.00, 4409.10.11 - 4409.10.99, 4409.20.11 - 4409.20.90, 4405.00.00, 4413.00.00, 4414.00.00, 4415.10.00 - 4416.00.20, 4417.00.10, 4417.00.90, 4418.10.00 - 4418.40.00, 4418.90.10 - 4418.90.90, 4420.10.00 - 4420.90.90, 4421.10.00 - 4421.90.90, 4503.10.00 - 4504.90.00, 4419.00.00.	333.20 - 333.99, 335.89, 336.09 - 336.99, 338.95 - 338.99, 339.08 - 339.99, 291.79, 740.76, 941.41, 950.55, 950.66, 961.39.

COMPARISON OF HS CODES AND XCC CODES (concluded)

Forest products	Harmonized system commodity classification codes (HS) (since 1988)	Export commodity classification (XCC) (1960-1987)
C. Wood pulp and paper products		
Wood pulp, chemical[a]	4702.00.00 - 4705.00.00, 4706.92.00, 4706.93.00.	340.19 - 340.49.
Wood pulp, mechanical[a]	4701.00.00, 4706.10.00, 4706.91.00.	340.70 - 340.99.
Newsprint	4801.00.00.	351.09.
Book and writing paper	4802.40.00, 4802.60.00, 4810.21.00 - 4810.29.00.	351.15 - 351.99.
Fine paper	4802.10.00, 4802.20.00, 4802.51.00 - 4802.53.00, 4805.40.00, 4805.60.00, 4806.30.00, 4809.20.00, 4810.11.00 - 4810.12.00, 4816.20.00.	352.33 - 352.99.
Tissue and sanitary paper	4802.30.00, 4803.00.00, 4813.10.00 - 4813.90.00.	353.25 - 353.99.
Converted paper	4808.10.00 - 4808.90.00, 4809.90.00, 4811.21.00 - 4811.29.00, 4811.39.00 - 4811.90.00, 4812.00.00, 4814.10.00 - 4814.90.00.	359.20 - 359.99.
Building paper and paperboard[a]	4805.50.00, 4807.10.00, 4811.10.10.	357.19 - 357.79, 358.05 - 358.49.
Wrapping and packaging paper	4804.21.00 - 4804.41.00, 4805.30.00, 4806.10.00 - 4806.20.00, 4806.40.00.	354.10 - 354.99.
Paperboard	4804.11.00 - 4804.19.00, 4804.42.00 - 4804.59.00, 4805.10.00 - 4805.29.00, 4805.70.00 - 4805.80.00, 4807.91.00 - 4807.99.00, 4810.31.00 - 4810.99.00, 4811.31.00.	356.10 - 356.99.
Other paper products[a]	4707.10.00 - 4707.90.00, 4809.10.00, 4815.00.00, 4816.10.00, 4816.30.00 - 4816.90.00, 4817.10.00 - 4817.30.00, 4818.10.00 - 4818.90.00, 4819.10.00 - 4819.60.00, 4820.10.00 - 4820.90.00, 4821.10.00 - 4821.90.00, 4822.10.00 - 4822.90.00, 4823.11.00 - 4823.90.00.	291.30, 291.39 - 291.40, 847.20, 849.24, 850.66, 866.32, 895.20, 895.36, 901.01 - 901.99, 904.24, 904.32, 905.99, 950.37 - 950.49, 961.49.

[a] See page 64 for discrepancies between HS and XCC.

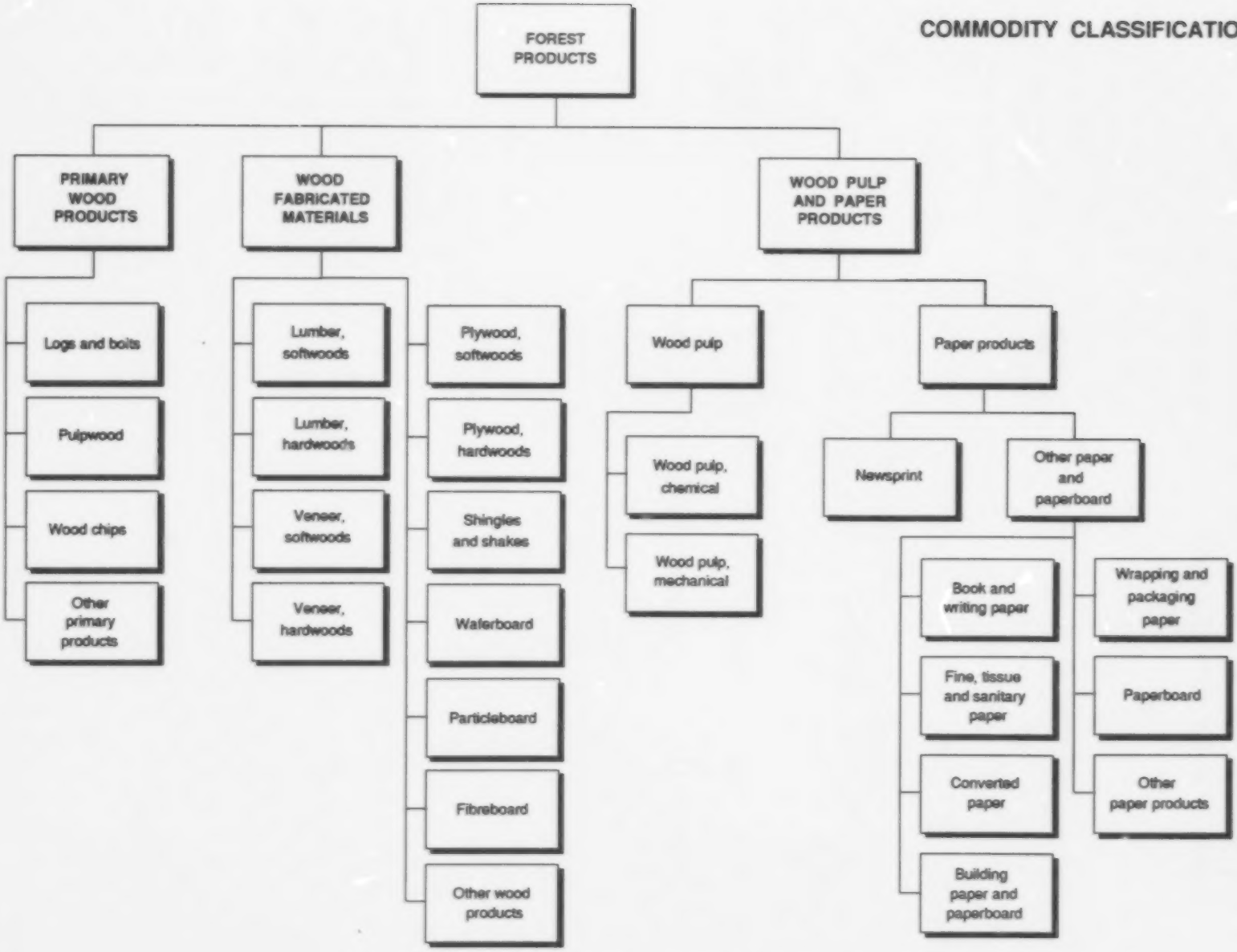

Figure 16. Commodity classification in the forest industry.

Source: Statistics Canada, International Trade Division.

DISCREPANCIES BETWEEN THE HARMONIZED SYSTEM (HS) AND THE EXPORT COMMODITY CLASSIFICATION (XCC)

The product code classification under the HS and the XCC is not strictly analogous and in some instances not comparable at all. The new HS classification offers more details and sub-groups than the old XCC. During the conversion, we maintained the product groupings to minimize the discrepancies in the time series. Some arbitrary decisions were taken under the guidance of Statistics Canada in order to avoid splits and to conform the HS to our specifications. Sub-groupings not available in the XCC were introduced in the HS.

Major changes and/or additions:

Fibreboard:

HS 4411.11.00 to 4411.99.00

Definition: "Most often manufactured from wood chips which have been mechanically defibred (defibrated) or steam exploded or from other defibred ligno-cellulosic material".

Because of the previous lack of details in this category, most of the products under this new heading used to appear in "Building paper and board". They will now be part of "Other wood fabricated materials" under the heading "Fibreboard".

Wood pulp:

Includes mechanical and chemical pulp. Semi-chemical pulp was left as a component of the chemical pulp category.

Mechanical - HS 4701.00.00 - mechanical pulp
4706.10.00 - cotton linters pulp
4706.91.00 - mechanical pulp of other fibrous cellulosic material

Chemical:

- chemical

HS 4702.00.00 - dissolving grades
4703.00.00 - sulphate other than dissolving grades
4704.00.00 - sulphite other than dissolving grades
4706.92.00 - of other fibrous cellulosic material

- semi-chemical

HS 4705.00.00 - semi-chemical
4706.93.00 - of other fibrous cellulosic material

Building paper and paperboard:

Formerly "Building paper and board". The fibreboard component along with all other building materials without a paper base were removed from the definition in order to truly reflect the paper content of Chapter 48 of the HS.

Other paper products:

Broader definition than previously. It includes all the residual component of Chapter 48. Since the HS offers much more details, the data is now more complete. It includes all the products made out of paper and not included in other headings (handkerchiefs, serviettes, clothing accessories, etc.).

III - 1. Balance of Trade by Major Commodity Group, 1988-1989

Commodity	1988 Exports[a] (+)	1988 Imports (-)	1988 Net flow	1989 Exports[a] (+)	1989 Imports (-)	1989 Net flow
			$000 000			
A. Forest products	**22 659**	**3 225**	**+19 434**	**22 886**	**3 397**	**+19 489**
Lumber - Total	5 462	499	+ 4 963	5 583	483	+ 5 100
- Softwoods	5 237	194	+ 5 043	5 382	221	+ 5 162
Plywood, veneer	296	151	+ 145	296	151	+ 145
Particleboard and wood building board	200	33	+ 167	236	32	+ 204
Wood pulp	6 496	165	+ 6 331	6 940	174	+ 6 766
Newsprint	6 201	4	+ 6 198	5 665	6	+ 5 659
Other paper and paperboard	2 443	1 207	+ 1 235	2 564	1 266	+ 1 298
Pulpwood	30	32	- 2	21	38	- 17
Wood chips	95	8	+ 86	165	8	+ 157
Other crude wood materials	378	191	+ 187	262	184	+ 78
Other wood products	1 058	935	+ 124	1 154	1 055	+ 99
B. Farm products	**9 092**	**6 447**	**+ 2 646**	**7 550**	**6 812**	**+ 738**
Live animals	616	118	+ 498	589	140	+ 449
Food, feed, beverages, and tobacco	8 477	6 328	+ 2 148	6 961	6 672	+ 289
C. Fish products	**2 752**	**694**	**+ 2 059**	**2 439**	**739**	**+ 1 700**
D. Energy	**13 200**	**4 625**	**+ 8 575**	**13 431**	**5 721**	**+ 7 710**
Coal and other crude bituminous	1 944	746	+ 1 198	2 082	711	+ 1 371
Crude petroleum	4 038	2 821	+ 1 217	4 462	3 607	+ 855
Petroleum and coal products	2 370	891	+ 1 479	2 385	982	+ 1 403
Natural gas	2 954	-	+ 2 954	3 023	-	+ 3 023
Uranium and radioactive elements and isotopes	1 000	-	+ 1 000	818	-	+ 818
Electricity and parts	894	167	+ 727	662	420	+ 242
E. Metals and minerals	**20 531**	**12 127**	**+ 8 404**	**21 150**	**12 515**	**+ 8 640**
Metal ores, concentrates, and scrap	4 273	1 514	+ 2 759	4 872	1 659	+ 3 213
Iron and steel	2 439	3 031	- 592	2 723	2 586	+ 137
Nonferrous metals	9 018	2 916	+ 6 102	9 988	2 970	+ 7 018
Other metals and minerals	4 801	4 665	+ 135	3 566	5 300	- 1 729
F. Other products	**68 585**	**101 384**	**-32 799**	**70 130**	**103 000**	**-32 875**
Chemicals and fertilizers - minerals	7 851	7 559	+ 292	7 259	8 131	- 872
Chemicals and fertilizers - non minerals[b]	-	-	-	-	-	-
Textiles	555	2 158	- 1 602	568	2 240	- 1 672
Machinery	4 596	11 878	- 7 283	5 003	12 202	- 7 199
Transportation and automotive products	40 345	41 176	- 831	40 789	38 710	+ 2 079
Other products	15 238	38 613	-23 375	16 512	41 717	-25 210
Special trade transactions	**731**	**2 670**	**- 1 939**	**757**	**2 850**	**- 2 096**
G. Total	**137 550**	**131 172**	**+ 6 379**	**138 340**	**135 033**	**+ 3 306**

[a] Including re-exports.
[b] Included with chemicals and fertilizers-minerals.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 2. Canadian Exports[a] (Value) by Commodity Group, 1970-1989

Year	Forest products							Agriculture		Chemicals and fertilizers		Energy		Mines			Re-exports[e]
	Lumber		Wood pulp	News-print	Other paper, paper board	Other forest products	Total	Farm products[b]	Fish products	Minerals	Other[c]	Minerals[d]	Electricity	Other metals and minerals[e]	Other products	Total	
	Soft-woods	Total															
	$000 000																
1970	638	664	785	1 110	166	230	2 955	1 616	252	335	181	1 007	34	4 055	5 966	16 401	419
1971	799	830	798	1 084	173	227	3 112	1 838	274	373	156	1 276	48	3 642	6 678	17 397	423
1972	1 128	1 174	830	1 158	222	262	3 646	2 018	337	389	156	1 701	68	3 698	7 657	19 671	479
1973	1 559	1 599	1 082	1 288	286	323	4 578	2 677	480	477	194	2 403	109	4 780	9 140	24 838	583
1974	1 254	1 290	1 889	1 726	424	297	5 626	3 459	411	678	258	4 944	175	6 073	10 050	31 675	767
1975	949	973	1 834	1 746	304	270	5 127	3 700	447	683	265	5 405	104	5 812	11 205	32 548	780
1976	1 611	1 649	2 186	2 003	375	362	6 575	3 710	585	868	332	5 279	162	6 626	13 513	37 650	825
1977	2 339	2 387	2 158	2 382	468	532	7 927	3 816	792	1 066	512	5 315	377	7 601	16 278	43 684	870
1978	3 158	3 229	2 181	2 886	616	717	9 629	4 200	1 102	1 248	652	6 196	479	8 620	20 134	52 260	923
1979	3 821	3 901	3 083	3 222	824	860	11 890	5 024	1 290	1 864	855	8 995	729	11 247	22 424	64 317	1 324
1980	3 263	3 352	3 873	3 684	1 012	898	12 819	7 012	1 251	2 384	1 046	10 997	773	15 298	22 867	74 446	1 713
1981	2 913	2 989	3 819	4 326	983	858	12 975	7 958	1 483	2 704	1 240	11 514	1 123	14 892	27 447	81 336	2 475
1982	2 847	2 913	3 221	4 086	1 028	853	12 101	8 639	1 583	2 368	1 234	12 083	1 120	12 563	30 134	81 825	2 705
1983	3 896	3 965	3 049	3 956	1 142	1 106	13 218	8 865	1 544	2 557	1 447	11 862	1 228	12 711	34 723	88 155	2 458
1984	4 182	4 257	3 906	4 784	1 417	1 370	15 734	9 257	1 576	3 019	1 766	14 245	1 378	15 727	46 736	109 437	2 947
1985	4 523	4 595	3 405	5 412	1 472	1 359	16 242	7 830	1 827	2 809	2 076	16 158	1 425	16 168	51 611	116 145	3 329
1986	4 893	4 980	4 072	5 661	1 794	1 431	17 938	7 472	2 407	2 689	2 155	11 078	1 086	17 518	54 389	116 733	3 937
1987	5 745	5 859	5 473	6 029	2 237	1 643	21 241	7 873	2 736	3 023	2 505	12 139	1 200	16 989	50 756	121 462	3 624
1988	5 234	5 415	6 496	6 201	2 431	2 038	22 581	9 012	2 713	7 771	-	12 296	894	20 357	58 280	133 804	3 646
1989	5 379	5 509	6 939	5 665	2 553	2 113	22 779	7 470	2 403	7 189	-	12 756	663	20 970	60 281	134 511	3 828

[a] Re-exports shown separately.
[b] Farm products: Food, feed, and beverages, including live animals and tobacco.
[c] Included with chemicals and fertilizer - minerals.
[d] Energy-minerals: coal and other crude bitumen substances, crude petroleum, natural gas, petroleum and coal products, uranium and radioactive elements and isotopes.
[e] Other metals and minerals: metal ores, concentrates and scrap, iron and steel, non-ferrous metal, metal-fabricated basic products, unmanufactured asbestos, sulphur and other crude non-metallic minerals.

Source: Statistics Canada Cat. No. 65-202.

EXPORTS OF CANADIAN PRODUCTS
Billions of dollars

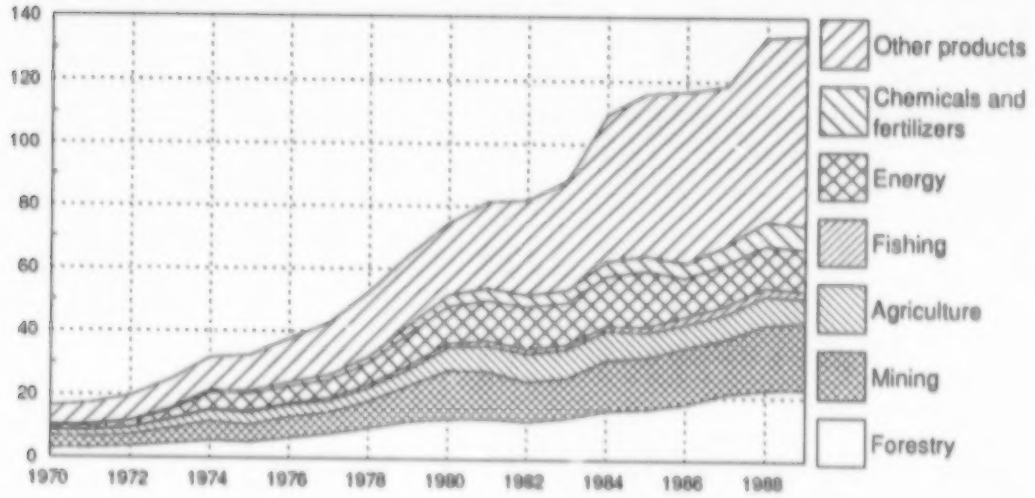

Figure 17. Exports of Canadian products by commodity group, 1970-1989.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

NET TRADE BALANCE
Billions of dollars

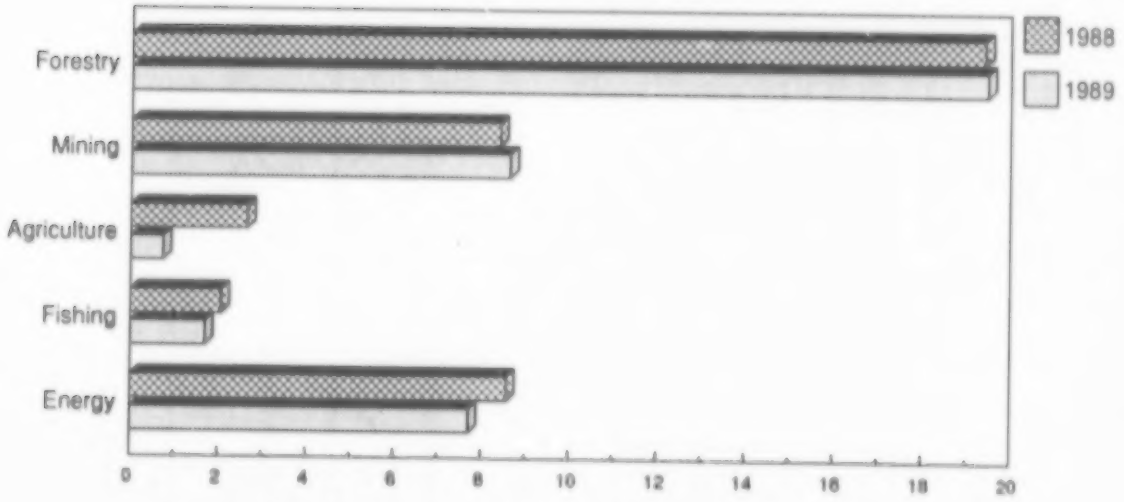

Figure 18. Contribution to net trade balance by commodity group, 1988-1989.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 3. Domestic Exports[a] of Forest Products (Value) by Province or Region of Lading, 1970-1983 and by Province or Region of Lading\Origin, 1984-1989

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon and N.W.T.	Canada
							$000 000							
A. Province or region of lading														
1970	90	1	74	183	348	781	515	13	29	50	92	1 220	--	2 955
1971	76	--	80	199	355	779	488	16	32	53	101	1 379	--	3 112
1972	86	--	88	235	409	839	548	28	40	73	141	1 708	--	3 646
1973	119	1	116	300	536	906	662	36	51	92	179	2 294	--	4 578
1974	180	1	171	450	802	1 210	857	42	58	145	245	2 511	--	5 626
1975	160	1	178	435	774	1 197	747	38	56	167	261	2 148	--	5 127
1976	166	2	168	492	828	1 336	904	44	49	188	281	3 225	1	6 575
1977	198	1	201	545	945	1 604	1 264	56	55	220	331	3 780	2	7 927
1978	177	1	222	579	979	2 086	1 566	73	78	219	370	4 628	1	9 629
1979	229	5	264	674	1 172	2 601	1 956	85	91	289	465	5 696	--	11 890
1980	256	2	318	880	1 456	2 937	2 228	90	123	316	529	5 669	--	12 819
1981	325	1	356	962	1 644	3 386	2 497	124	141	329	593	4 854	1	12 975
1982	316	1	282	725	1 324	3 333	2 365	103	98	292	493	4 586	1	12 101
1983	246	1	231	754	1 231	3 301	2 686	103	114	329	545	5 453	--	13 218
B. Province or region of lading/origin														
1984	286	3	354	1 050	1 693	3 999	3 267	146	140	415	701	6 074	1	15 734
1985	318	2	357	1 025	1 701	4 140	3 437	178	105	407	690	6 274	1	16 242
1986	311	1	438	1 178	1 928	4 655	3 519	213	161	432	806	7 030	--	17 938
1987	372	1	508	1 388	2 269	4 907	3 738	190	223	550	963	9 364	--	21 241
1988	404	--	582	1 542	2 527	5 136	4 045	172	219	622	1 014	9 859	--	22 581
1989	377	2	524	1 505	2 407	5 082	3 903	221	275	731	1 227	10 161	--	22 779

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

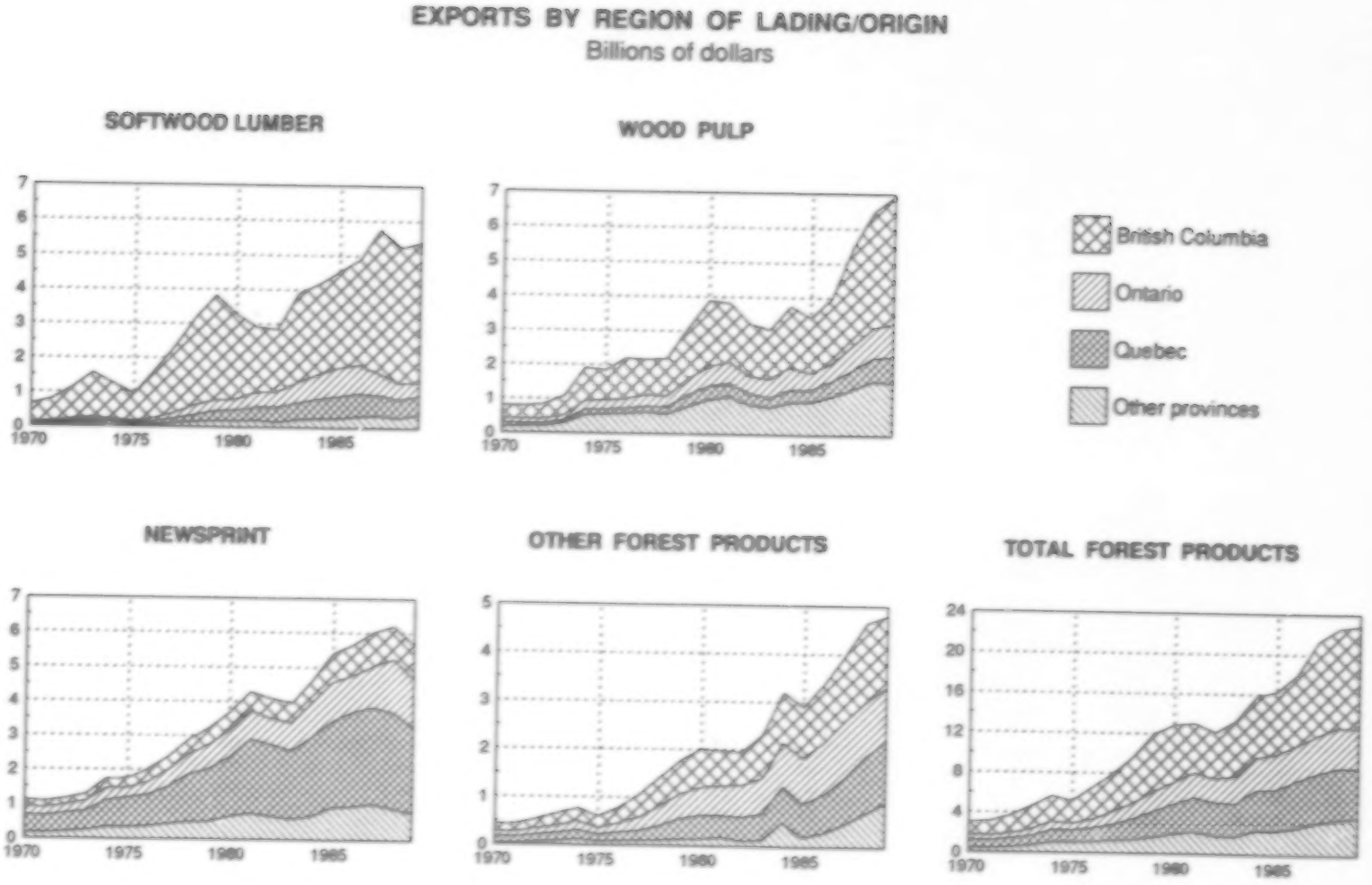

Figure 19. Exports of Canadian forest products by commodity group and region of lading/origin, 1970-1989.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 4. Exports* and Imports of Forest Products (Value) by Commodity Group, 1970-1989

Year	Lumber		Plywood and veneer	Particle-board and wood building board	Wood-pulp	News-print	Other paper and paperboard	Pulp-wood	Wood chips	Other crude wood materials	Other forest products	Canada		Forest Products %
	Softwoods	Total										Total forest products	Total products	
							$000 000							
A. Exports														
1970	638	664	73	-	785	1 110	187	27	11	40	81	2 958	16 820	17.6
1975	949	975	90	-	1 834	1 746	305	11	14	36	119	5 130	33 329	15.4
1976	1 611	1 653	102	-	2 186	2 003	378	12	22	40	189	6 585	38 475	17.1
1977	2 339	2 389	149	-	2 158	2 382	471	12	35	59	280	7 935	44 554	17.8
1978	3 158	3 230	212	-	2 181	2 886	618	14	49	53	391	9 634	53 183	18.1
1979	3 821	3 903	248	-	3 083	3 222	827	15	54	77	469	11 898	65 641	18.1
1980	3 265	3 368	237	-	3 873	3 684	1 015	26	91	89	459	12 842	76 159	16.9
1981	2 916	3 029	222	-	3 819	4 326	966	25	98	77	490	13 053	83 811	15.6
1982	2 848	2 954	215	-	3 221	4 086	1 016	8	98	120	470	12 188	84 530	14.4
1983	3 896	3 997	258	92	3 049	3 956	1 148	12	89	174	486	13 281	90 613	14.6
1984	4 182	4 299	273	157	3 906	4 784	1 427	11	85	263	588	15 793	112 384	14.1
1985	4 524	4 630	249	201	3 411	5 411	1 486	8	83	203	623	16 305	119 474	13.6
1986	4 893	5 033	239	184	4 072	5 661	1 811	12	78	230	697	18 018	120 670	14.9
1987	5 748	5 938	270	169	5 474	6 029	2 258	22	74	372	751	21 355	125 087	17.1
1988	5 237	5 462	296	200	6 496	6 201	2 443	30	95	378	1 058	22 659	137 550	16.5
1989	5 382	5 583	296	236	6 940	5 665	2 564	21	165	262	1 154	22 886	138 340	16.5
B. Imports														
1970	22	38	28	6	10	-	107	3	-	27	45	264	13 962	1.9
1975	71	110	124	30	30	-	346	9	-	56	160	884	34 716	2.5
1976	95	164	97	29	33	-	432	8	-	55	174	992	37 494	2.6
1977	96	171	72	25	35	-	402	11	5	51	199	972	42 383	2.3
1978	94	203	76	25	50	-	469	14	6	69	236	1 147	50 108	2.3
1979	127	271	89	26	79	-	546	21	6	94	296	1 428	62 871	2.3
1980	108	235	64	23	79	-	576	15	2	82	262	1 338	69 274	1.9
1981	130	276	113	29	83	-	722	17	3	75	310	1 628	79 482	2.0
1982	72	177	46	15	88	-	684	15	4	75	198	1 302	67 856	1.9
1983	123	281	88	21	86	-	876	13	7	102	166	1 640	75 520	2.2
1984	108	281	78	24	129	-	1 107	13	9	141	183	1 985	95 460	2.1
1985	112	281	79	28	132	-	1 142	17	9	156	190	2 034	104 365	1.9
1986	143	360	112	33	138	-	1 311	28	24	174	219	2 399	112 511	2.1
1987	139	424	137	35	143	-	1 465	22	6	176	276	2 684	116 239	2.3
1988	194	499	151	33	165	4	1 207	32	8	191	935	3 225	131 172	2.5
1989	221	483	151	32	174	6	1 266	38	8	184	1 055	3 397	135 033	2.5

*Including re-exports.

Source: Statistics Canada Cat. No. 65-202 or 65-203.

III - 5. Balance of Trade of Forest Products (Value) by Commodity Group, 1970-1989

Year	Lumber		Plywood and veneer	Particle-board and wood building board	Wood-pulp	Newsprint	Other paper and paperboard	Pulp-wood	Wood chips	Other crude wood materials	Other forest products	Canada	
	Softwoods	Total										Total forest products	Total products
							$000 000						
1970	+ 616*	+ 626	+ 45	- 6	+ 775	+ 1 110	+ 60	+ 24	+ 11	+ 13	+ 38	+ 2 694	+ 2 868
1971	+ 772	+ 785	+ 34	- 11	+ 783	+ 1 084	+ 54	+ 16	+ 17	- 2	+ 42	+ 2 803	+ 2 202
1972	+ 1 090	+ 1 107	+ 37	- 15	+ 813	+ 1 158	+ 77	+ 9	+ 13	- 27	+ 52	+ 3 224	+ 1 481
1973	+ 1 499	+ 1 501	+ 50	- 23	+ 1 065	+ 1 288	+ 99	+ 8	+ 16	- 31	+ 45	+ 4 018	+ 2 096
1974	+ 1 184	+ 1 175	- 7	- 33	+ 1 870	+ 1 726	+ 143	+ 5	+ 14	- 28	- 23	+ 4 841	+ 720
1975	+ 878	+ 885	- 34	- 30	+ 1 804	+ 1 746	- 41	+ 2	+ 14	- 20	- 41	+ 4 296	- 1 380
1976	+ 1 516	+ 1 489	+ 5	- 29	+ 2 153	+ 2 003	- 54	+ 4	+ 22	- 15	+ 15	+ 5 593	+ 981
1977	+ 2 243	+ 2 218	+ 77	- 25	+ 2 123	+ 2 382	+ 69	+ 1	+ 30	+ 8	+ 81	+ 6 963	+ 2 191
1978	+ 3 064	+ 3 027	+ 136	- 25	+ 2 131	+ 2 896	+ 140	-	+ 43	- 16	+ 155	+ 8 487	+ 3 075
1979	+ 3 694	+ 3 632	+ 159	- 26	+ 3 004	+ 3 222	+ 281	- 6	+ 48	- 17	+ 173	+ 10 470	+ 2 770
1980	+ 3 157	+ 3 133	+ 173	- 23	+ 3 794	+ 3 684	+ 429	+ 11	+ 89	+ 7	+ 197	+ 11 504	+ 6 885
1981	+ 2 788	+ 2 753	+ 109	- 29	+ 3 736	+ 4 328	+ 244	+ 8	+ 95	+ 2	+ 180	+ 11 425	+ 4 329
1982	+ 2 776	+ 2 777	+ 169	- 15	+ 3 133	+ 4 086	+ 232	- 7	+ 94	+ 45	+ 272	+ 10 886	+ 16 874
1983	+ 3 773	+ 3 716	+ 170	+ 71	+ 2 963	+ 3 956	+ 272	- 1	+ 82	+ 72	+ 320	+ 11 821	+ 15 005
1984	+ 4 074	+ 4 018	+ 195	+ 133	+ 3 777	+ 4 794	+ 320	- 2	+ 76	+ 122	+ 405	+ 13 828	+ 16 924
1985	+ 4 412	+ 4 349	+ 170	+ 173	+ 3 279	+ 5 411	+ 344	- 9	+ 74	+ 47	+ 433	+ 15 271	+ 15 120
1986	+ 4 750	+ 4 673	+ 127	+ 151	+ 3 934	+ 5 661	+ 500	- 16	+ 54	+ 56	+ 478	+ 15 619	+ 8 159
1987	+ 5 609	+ 5 514	+ 123	+ 134	+ 5 331	+ 6 029	+ 793	-	+ 68	+ 196	+ 475	+ 18 871	+ 8 948
1988	+ 5 043	+ 4 963	+ 145	+ 167	+ 6 331	+ 6 198	+ 1 235	- 2	+ 86	+ 187	+ 124	+ 19 434	+ 6 379
1989	+ 5 162	+ 5 100	+ 145	+ 204	+ 6 786	+ 5 659	+ 1 298	- 17	+ 157	+ 78	+ 99	+ 19 489	+ 3 306

*The + sign means surplus and the - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 et 65-.-13.

III - 6. Domestic Exports[a] and Imports of Forest Products (Quantity) by Commodity Group, 1950-1989

Year	Logs and bolts	Pulpwood	Wood chips	Lumber		Shingles and shakes	Wood pulp	Newsprint	Other paper and paperboard
				Softwoods	Total				
	1 000 m^3	1 000 m^3	1 000 t	1 000 m^3	1 000 m^3	1 000 m^2	1 000 t	1 000 t	1 000 t
A. Exports									
1950	..	..	194	7 971	8 399	27 164	1 675	4 480	106
1960	..	..	718	10 494	10 768	18 120	2 360	5 616	211
1970	1 295	2 636	881	17 299	17 621	20 462	5 063	7 339	626
1975	416	947	471	15 309	15 466	18 798	4 997	6 354	664
1976	569	905	704	22 621	22 832	24 841	6 116	7 000	788
1977	928	764	916	28 817	29 059	28 206	6 096	7 267	1 369
1978	670	891	1 111	31 419	31 715	33 369	6 641	7 868	1 610
1979	856	797	1 165	31 285	31 548	33 221	7 102	7 778	1 733
1980	1 164	1 066	1 343	29 016	29 290	32 638	7 253	7 718	1 931
1981	963	903	1 307	27 263	27 506	30 786	6 999	7 986	1 646
1982	1 260	287	1 131	27 566	27 807	30 303	6 115	7 081	1 644
1983	2 274	434	1 387	33 887	34 113	38 137	6 806	7 379	1 942
1984	3 408	408	1 305	37 066	37 335	42 427	7 030	8 127	2 040
1985	2 515	378	1 117	38 619	38 861	43 763	7 060	8 285	1 992
1986	2 741	611	1 012	38 001	38 274	42 871	7 619	8 562	2 321
1987	3 523	874	904	41 296	41 676	36 330	8 242	8 772	2 723
1988	3 014	985	1 662	40 521	41 113	31 008	8 465	8 566	2 965
1989	1 790	807	1 891	40 013	40 426	32 968	8 241	8 185	3 117
B. Imports									
1950	..	..	-	98	187	10	33	-	23
1960	..	..	-	326	544	101	58	-	139
1970	1 608	304	-	399	597	1 642	47	-	199
1975	1 658	555	-	856	1 187	-	82	-	516
1976	1 947	494	-	935	1 512	-	84	-	645
1977	1 764	585	-	764	1 228	-	87	-	449
1978	2 013	672	145	625	1 145	-	129	-	429
1979	2 364	897	160	785	1 409	-	173	-	417
1980	2 039	559	96	671	1 197	-	145	-	380
1981	1 631	591	86	807	1 361	-	141	-	501
1982	1 577	500	51	506	895	-	150	-	393
1983	2 359	457	97	773	1 341	-	157	-	528
1984	2 807	440	118	626	1 203	-	200	-	641
1985	2 947	588	157	663	1 197	-	224	-	659
1986	3 116	771	429	794	1 419	-	225	-	782
1987	3 093	746	108	740	1 559	-	205	-	851
1988	3 253	1 067	195	857	1 450	-	185	5	947
1989	3 258	1 244	146	1 036	1 655	-	184	9	939

[a]Excluding re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 7. Apparent Domestic Consumption[a] of Forest Products (Quantity) by Commodity Group, 1950-1989

Year	Logs and bolts	Pulpwood	Lumber		Wood pulp	Newsprint	Other paper and paperboard
			Softwoods	Total			
	1 000 m^3	1 000 m^3	1 000 m^3	1 000 m^3	1 000 t	1 000 t	1 000 t
1950	..	..	6 537	7 253	6 045	345	1 272
1960	..	..	7 694	8 683	8 096	452	1 955
1970	76 024	38 003	8 549	9 564	11 593	657	2 829
1971	78 984	35 326	9 648	10 622	11 466	658	2 963
1972	83 547	37 475	9 508	10 793	11 934	726	3 237
1973	98 917	41 450	12 697	14 185	12 591	729	3 660
1974	86 425	47 483	12 150	13 686	13 209	800	4 027
1975	75 074	36 671	11 859	13 026	10 198	656	2 908
1976	98 513	36 421	13 952	15 502	11 915	1 063	3 585
1977	104 543	36 553	12 541	13 801	12 159	799	3 150
1978	112 879	37 820	12 782	14 317	13 640	871	3 456
1979	115 941	40 342	15 064	16 561	13 799	864	3 683
1980	110 832	38 276	15 179	16 903	12 877	907	3 212
1981	96 986	40 892	12 781	14 072	12 468	960	3 512
1982	89 186	31 297	9 304	10 540	11 199	1 028	3 035
1983	111 354	38 113	14 510	15 895	12 727	1 107	3 452
1984	116 653	42 083	11 268	12 857	13 516	886	3 813
1985	119 768	40 811	15 487	16 923	13 581	703	4 118
1986	125 759	42 815	16 193	17 998	14 318	726	4 434
1987	..	..	19 733	21 659	14 995	897	4 502
1988	..	..	19 579	21 043	15 417	1 408	4 653
1989	..	..	19 070	20 522	15 505	1 502	4 699

[a]Apparent domestic consumption = Production + Imports - Exports.

Sources: Statistics Canada Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203 and Canadian Pulp and Paper Association Reference Tables 1989.

III - 8A. Domestic Exports[a] of Forest Products (Value) by Commodity Group and Province or Region of Lading/Origin, 1988

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$000							
A. Primary wood products	**1 321**	**61**	**13 625**	**21 639**	**36 645**	**30 391**	**23 703**	**122**	**1 028**	**2 321**	**3 471**	**404 877**	**-**	**499 088**
Logs, bolts - Total	-	-	966	3 741	4 707	7 822	5 040	45	54	123	222	280 515	-	298 306
- Softwood logs	-	-	458	2 355	2 814	1 207	1 711	37	2	84	122	274 732	-	280 586
Pulpwood - Total	1 312	-	3 765	5 984	11 061	3 673	505	38	-	4	41	15 103	-	30 383
- Softwoods	1 312	-	1 881	3 444	6 637	3 640	389	-	-	4	4	14 058	-	24 728
Wood chips	-	-	8	6 399	6 407	758	1 415	-	-	-	-	85 892	-	94 472
Other primary products	9	61	8 887	5 515	14 471	18 138	16 743	39	975	2 194	3 208	23 368	-	75 927
B. Wood-fabricated materials	**262**	**27**	**28 667**	**150 435**	**179 391**	**866 966**	**779 210**	**51 806**	**23 066**	**226 739**	**301 611**	**4 535 189**	**224**	**6 662 591**
Lumber - Softwoods	89	-	17 728	106 667	124 484	526 151	480 371	42 131	10 362	134 803	187 297	3 915 093	169	5 233 564
- Hardwoods	29	-	1 963	1 808	3 800	109 192	60 516	3 862	33	315	4 209	3 819	-	181 538
Shingles and shakes	-	-	91	7 356	7 447	19 209	2 027	78	-	811	889	181 648	-	211 219
Veneer - Softwoods	-	-	25	111	137	3 701	3 321	-	1	2	3	15 190	-	22 352
- Hardwoods	-	-	49	975	1 024	58 239	59 907	-	-	92	92	3 338	-	122 600
Plywood - Softwoods	-	-	113	57	170	1 882	1 816	40	114	414	568	110 023	-	114 458
- Hardwoods	-	11	224	66	301	13 272	17 853	--	-	41	41	2 908	-	34 375
Waferboard	-	-	61	7 776	7 837	11 020	25 053	51	11 420	62 201	73 671	33 881	-	151 462
Particleboard	-	-	401	7 192	7 593	26 792	7 911	66	67	3 695	3 827	2 410	-	48 533
Fibreboard	9	-	6 355	60	6 425	9 365	4 750	40	9	15 833	15 881	11 751	-	48 172
Other wood products	121	7	734	3 689	4 552	10 012	23 483	472	217	2 184	2 873	208 634	28	249 582
Other n.e.c.	13	9	923	14 677	15 622	78 132	92 203	5 064	845	6 349	12 258	46 494	28	244 736
C. Wood pulp and paper products	**402 065**	**217**	**539 452**	**1 369 672**	**2 311 407**	**4 238 253**	**3 242 252**	**120 330**	**195 168**	**393 375**	**708 873**	**4 918 864**	**-**	**15 419 649**
Wood pulp - Total	**43**	**-**	**269 860**	**737 541**	**1 007 444**	**675 471**	**877 377**	**9 940**	**173 192**	**384 310**	**567 441**	**3 368 057**	**-**	**6 495 791**
- Chemical	-	-	268 957	678 907	947 864	670 953	876 883	9 940	173 192	382 246	565 378	3 289 610	-	6 350 689
Paper products	**402 022**	**217**	**269 593**	**632 131**	**1 303 963**	**3 562 782**	**2 364 875**	**110 391**	**21 976**	**9 065**	**141 432**	**1 550 807**	**-**	**8 923 858**
Newsprint	260 249	-	260 081	388 761	909 091	2 757 510	1 547 850	43 519	177	197	43 892	942 748	-	6 201 090
Other paper and paperboard	141 691	-	6 929	241 508	390 128	701 216	679 409	61 119	16 069	4 520	81 709	578 990	-	2 431 452
Book and writing paper	140 756	-	2 753	168 965	312 474	391 295	287 807	103	164	53	319	273 361	-	1 265 256
Fine paper	930	-	100	535	1 565	106 871	125 752	22	15 878	84	15 984	40 721	-	290 893
Tissue and sanitary	-	-	16	2 220	2 236	9 876	38 202	110	-	-	110	31 893	-	82 318
Wrapping and packaging	2	-	42	1 390	1 434	32 619	18 548	56 118	-	494	56 613	110 511	-	219 724
Paperboard	-	-	2 554	68 197	70 750	103 911	36 570	2 266	15	927	3 208	117 690	-	332 130
Building paper and paperboard	-	-	3	3	6	11 348	3 788	1 405	-	2 007	3 413	2 705	-	21 258
Converted paper	3	-	1 462	198	1 664	45 296	168 741	1 095	12	956	2 063	2 109	-	219 872
Other paper products	81	217	2 583	1 863	4 744	104 056	137 617	5 753	5 729	4 348	15 830	29 069	-	291 317
Total forest products	**403 648**	**304**	**581 745**	**1 541 746**	**2 527 443**	**5 135 610**	**4 045 165**	**172 258**	**219 262**	**622 435**	**1 013 955**	**9 858 930**	**224**	**22 581 328**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 88. Domestic Exports[a] of Forest Products (Value) by Commodity Group and Province or Region of Lading/Origin, 1989

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$000							
A. Primary wood products	**3 051**	**34**	**16 283**	**16 598**	**35 965**	**27 057**	**17 824**	**918**	**1 284**	**4 193**	**6 394**	**355 449**	**-**	**442 690**
Logs, bolts - Total	425	-	133	1 841	2 399	5 606	5 118	450	63	137	651	169 821	-	183 595
- Softwood logs	84	-	19	943	1 047	539	179	40	21	90	151	164 691	-	166 607
Pulpwood - Total	2 614	-	3 794	5 763	12 171	635	25	-	-	9	9	8 348	-	21 188
- Softwoods	2 614	-	3 794	3 771	10 179	617	-	-	-	-	-	8 049	-	18 846
Wood chips	-	-	-	5 572	5 572	239	150	-	-	2	2	158 748	-	164 711
Other primary products	11	34	12 355	3 423	15 823	20 577	12 531	467	1 220	4 045	5 732	18 531	-	73 195
B. Wood-fabricated materials	**98**	**831**	**32 701**	**175 819**	**209 449**	**857 713**	**670 699**	**75 371**	**28 583**	**282 367**	**386 321**	**4 665 544**	**8**	**6 789 735**
Lumber - Softwoods	27	760	21 778	126 145	148 709	546 976	393 897	65 902	12 173	165 179	243 253	4 046 153	5	5 378 994
- Hardwoods	-	-	551	2 538	3 088	67 201	52 025	4 466	24	676	5 165	2 245	-	129 725
Shingles and shakes	-	-	41	6 620	6 661	13 731	791	-	20	58	78	193 531	-	214 791
Veneer - Softwoods	-	-	-	31	31	1 311	2 001	-	-	24	24	24 197	-	27 565
- Hardwoods	-	-	82	1 066	1 148	57 656	56 671	-	3	7	9	983	-	116 467
Plywood - Softwoods	-	-	211	90	301	287	1 649	3	-	296	299	102 014	-	104 550
- Hardwoods	-	-	51	69	120	17 516	21 584	-	-	70	70	4 400	-	43 690
Waferboard	-	-	14	9 104	9 118	20 367	18 645	115	15 117	89 377	104 608	46 046	-	198 784
Particleboard	-	-	217	9 689	9 906	17 312	5 583	-	61	1 275	1 336	3 013	-	37 150
Fibreboard	-	-	7 759	5	7 764	11 235	5 198	275	-	17 507	17 782	11 519	-	53 498
Other wood products	-	29	359	2 920	3 308	8 849	19 219	567	71	3 578	4 215	179 407	-	214 999
Other n.e.c.	72	42	1 638	17 542	19 294	95 271	93 436	4 044	1 114	4 322	9 480	52 038	3	269 522
C. Wood pulp and paper products	**373 754**	**747**	**474 956**	**1 312 132**	**2 161 589**	**4 196 752**	**3 214 042**	**145 059**	**245 202**	**444 219**	**834 481**	**5 139 512**	**1**	**15 546 376**
Wood pulp - Total	19	-	232 893	714 968	947 880	776 421	953 591	5 227	144 024	434 008	583 259	3 678 118	-	6 939 269
- Chemical	19	-	231 199	655 951	887 169	773 891	953 306	5 222	144 024	433 577	582 824	3 599 588	-	6 796 779
Paper products	**373 735**	**747**	**242 063**	**597 163**	**1 213 709**	**3 420 331**	**2 260 451**	**139 832**	**101 178**	**10 212**	**251 222**	**1 461 395**	**1**	**8 607 107**
Newsprint	252 643	55	230 471	237 659	720 828	2 483 546	1 429 301	63 433	-	-	63 433	968 381	-	5 665 489
Other paper and paperboard	120 889	690	6 469	350 761	478 810	820 877	642 251	72 201	94 766	7 554	174 521	436 609	-	2 553 069
Book and writing paper	120 878	688	1 317	276 158	399 041	453 656	267 873	-	90	32	123	165 296	-	1 285 988
Fine paper	-	-	38	740	778	154 598	157 090	-	94 586	17	94 603	39 559	-	446 627
Tissue and sanitary	-	-	5	5 738	5 743	24 853	17 823	-	-	-	-	31 424	-	79 842
Wrapping and packaging	-	-	150	806	956	27 749	15 251	71 741	-	277	72 018	107 146	-	223 120
Paperboard	10	-	1 121	66 838	67 969	102 335	41 186	161	88	322	571	87 338	-	299 399
Building paper and paperboard	-	-	4	95	99	12 114	4 962	272	-	3 080	3 352	2 979	-	23 506
Converted paper	2	1	3 835	386	4 224	45 573	138 068	26	2	3 826	3 855	2 867	-	194 586
Other paper products	202	3	5 123	8 743	14 072	115 907	188 899	4 198	6 412	2 658	13 268	56 404	1	388 550
Total forest products	**376 903**	**1 612**	**523 940**	**1 504 549**	**2 407 004**	**5 081 522**	**3 902 565**	**221 348**	**275 069**	**730 779**	**1 227 196**	**10 160 505**	**9**	**22 778 800**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 9A. Domestic Exports* of Forest Products (Quantity) by Commodity Group and Province or Region of Lading/Origin, 1988

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	-	-	8	91	98	55	42	--	--	1	2	2 817	-	**3 014**
- Softwood logs	-	-	5	58	63	17	16	--	--	1	1	2 708	-	**2 805**
Pulpwood - Total (1 000 m^3)	39	-	127	333	499	102	15	1	-	--	1	368	-	**985**
- Softwoods	39	-	55	168	262	100	12	-	-	--	--	344	-	**718**
Wood chips (1 000 t)	-	-	--	242	242	16	19	-	-	-	-	1 385	-	**1 662**
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m^3)	--	-	98	853	951	4 328	4 508	380	92	1 506	1 979	28 753	1	**40 521**
- Hardwoods	--	-	5	14	19	338	171	17	--	2	18	45	-	**592**
Shingles and shakes(1 000 m^2)	-	-	25	1 296	1 321	3 459	375	13	-	148	161	25 692	-	**31 008**
Veneer - Softwoods (1 000 m^2)	-	-	19	79	98	2 911	2 868	-	--	5	6	43 954	-	**49 837**
- Hardwoods	-	-	21	888	909	49 100	52 557	-	-	38	38	4 120	-	**106 725**
Plywood - Softwoods (1 000 m^3)	-	-	1	1	2	6	52	--	4	2	6	342	-	**406**
- Hardwoods	-	--	--	1	1	28	39	--	-	--	--	5	-	**73**
Waferboard (1 000 m^3)	-	-	--	54	54	64	176	--	92	351	444	243	-	**981**
Particleboard (1 000 m^3)	-	-	2	22	24	103	36	--	--	19	20	10	-	**193**
Fibreboard (1 000 kg)	6	-	11 455	95	11 556	15 892	8 592	150	5	36 774	36 928	20 479	-	**93 449**
Other wood products (1 000 m^3)	43	--	58	202	303	312	72	72	29	136	237	666	2	**1 592**
C. Wood pulp and paper products (1 000 t)	**586**	-	**720**	**1 917**	**3 223**	**5 358**	**3 913**	**171**	**265**	**495**	**931**	**6 570**	-	**19 996**
Wood pulp - Total	--	-	**353**	**1 044**	**1 397**	**863**	**1 107**	**16**	**244**	**486**	**745**	**4 352**	-	**8 465**
- Chemical	-	-	351	901	1 252	854	1 106	16	244	481	740	4 179	-	**8 131**
Paper products	**586**	-	**367**	**873**	**1 826**	**4 495**	**2 806**	**156**	**21**	**10**	**186**	**2 218**	-	**11 531**
Newsprint	406	-	357	537	1 300	3 634	2 174	66	--	--	67	1 392	-	**8 566**
Other paper and paperboard	180	-	10	336	526	861	632	90	20	9	119	826	-	**2 965**
Book and writing paper	179	-	4	190	373	480	347	--	--	--	--	333	-	**1 534**
Fine paper	1	-	--	1	2	115	111	--	20	--	20	39	-	**287**
Tissue and sanitary	-	-	--	1	1	9	27	--	-	-	--	29	-	**67**
Wrapping and packaging	--	-	--	2	2	31	14	81	-	1	82	175	-	**304**
Paperboard	-	-	5	142	147	183	64	3	--	1	4	241	-	**638**
Building paper and paperboard	-	-	--	--	--	30	11	4	-	7	11	7	-	**58**
Converted paper	--	-	--	--	--	13	59	1	--	1	2	2	-	**77**

*Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 98. Domestic Exports[a] of Forest Products (Quantity) by Commodity Group and Province or Region of Lading/Origin, 1989

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	7	-	1	36	45	27	21	2	1	1	4	1 695	-	1 790
- Softwood logs	2	-	--	16	18	6	1	1	1	1	2	1 628	-	1 656
Pulpwood - Total (1 000 m^3)	62	-	89	388	539	17	--	-	-	--	--	251	-	807
- Softwoods	62	-	89	255	405	17	-	-	-	-	-	246	-	668
Wood chips (1 000 t)	-	-	-	234	234	5	2	-	-	--	--	1 650	-	1 891
B. Wood-fabricated materials	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lumber - Softwoods (1 000 m^3)	--	10	127	959	1 096	4 632	3 486	579	116	1 773	2 469	28 330	--	40 013
- Hardwoods	-	-	1	20	21	222	138	23	--	3	26	6	-	413
Shingles and shakes(1 000 m^2)	-	-	7	1 562	1 570	3 191	106	-	2	7	9	28 092	-	32 968
Veneer - Softwoods (1 000 m^2)	-	-	-	39	39	892	1 230	-	-	12	12	47 002	-	49 174
- Hardwoods	-	-	33	934	966	49 946	54 433	-	--	3	3	1 211	-	106 559
Plywood - Softwoods (1 000 m^3)	-	-	1	--	1	1	5	--	-	1	1	317	-	325
- Hardwoods	-	-	--	--	1	22	42	-	-	1	1	9	-	76
Waferboard (1 000 m^3)	-	-	--	56	56	122	112	--	102	492	594	250	-	1 135
Particleboard (1 000 m^3)	-	-	1	48	49	80	22	-	--	7	7	13	-	171
Fibreboard (1 000 kg)	-	-	15 426	--	15 426	28 302	12 417	1 096	-	47 941	49 037	23 949	-	129 131
Other wood products (1 000 m^3)	-	7	37	245	288	304	2 990	32	7	52	91	7 443	-	11 116
C. Wood pulp and paper products (1 000 t)	529	1	602	1 846	2 978	5 337	3 736	197	289	524	1 009	6 484	-	19 543
Wood pulp - Total	--	-	274	971	1 245	907	1 075	6	183	509	698	4 316	-	8 241
- Chemical	--	-	271	834	1 105	900	1 074	6	183	508	697	4 153	-	7 929
Paper products	529	1	327	875	1 733	4 430	2 661	191	106	14	311	2 168	-	11 302
Newsprint	373	--	323	361	1 057	3 422	2 069	93	-	-	93	1 544	-	8 185
Other paper and paperboard	156	1	5	514	676	1 008	592	98	106	14	218	623	-	3 117
Book and writing paper	156	1	1	359	517	570	312	-	--	--	--	190	-	1 591
Fine paper	-	-	--	1	1	163	135	-	106	--	106	41	-	446
Tissue and sanitary	-	-	--	4	4	23	12	-	-	-	-	26	-	65
Wrapping and packaging	-	-	--	1	1	26	11	97	-	--	98	171	-	307
Paperboard	--	-	2	147	149	184	64	--	--	--	1	189	-	586
Building paper and paperboard	-	-	1	--	1	31	14	--	-	11	11	6	-	64
Converted paper	--	--	1	1	1	10	45	--	--	2	2	1	-	59

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 10A. Imports of Forest Products (Value) by Commodity Group and Province or Region of Clearance, 1988

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$000							
A. Primary wood products	**1 083**	**3**	**1 054**	**14 743**	**16 882**	**141 164**	**49 700**	**1 631**	**541**	**469**	**2 642**	**21 099**	**-**	**231 487**
Logs, bolts - Total	-	3	37	7 208	7 247	117 866	35 417	883	119	15	1 016	7 792	-	**169 339**
- Softwood logs	-	1	-	4 088	4 089	77 296	3 806	749	42	4	795	7 431	-	**93 418**
Pulpwood - Total	-	-	-	2 684	2 684	16 152	5 224	108	-	-	108	8 277	-	**32 445**
- Softwoods	-	-	-	2 684	2 684	15 589	1 533	-	-	-	-	8 250	-	**28 056**
Wood chips	5	-	3	4 150	4 158	1 129	838	20	8	182	210	2 147	-	**8 481**
Other primary products	1 078	-	1 014	701	2 793	6 017	8 220	621	415	272	1 308	2 883	-	**21 221**
B. Wood-fabricated materials	**348**	**29**	**4 337**	**18 654**	**23 369**	**165 958**	**524 065**	**36 730**	**9 468**	**16 274**	**62 472**	**234 715**	**3**	**1 010 582**
Lumber - Softwoods	-	14	572	9 538	10 124	21 963	68 349	5 080	239	616	5 934	87 497	--	**193 868**
- Hardwoods	161	4	1 925	2 160	4 250	62 118	191 587	16 024	3 648	7 706	27 378	19 990	-	**305 323**
Shingles and shakes	-	-	3	35	38	--	68	7	-	21	28	3 598	-	**3 733**
Veneer - Softwoods	-	-	1	15	16	989	2 892	10	9	9	27	7 211	-	**11 136**
- Hardwoods	28	-	--	60	89	7 518	21 772	363	2 055	345	2 763	2 557	-	**34 699**
Plywood - Softwoods	-	-	227	220	447	3 684	17 250	291	102	276	669	8 825	-	**30 875**
- Hardwoods	-	6	136	582	723	19 897	28 703	251	114	177	541	24 314	3	**74 181**
Waferboard	-	-	11	627	638	858	1 270	254	48	5	307	522	-	**3 595**
Particleboard	-	-	-	239	239	3 070	11 424	3 019	214	429	3 662	11 194	-	**29 590**
Fibreboard	-	-	29	986	1 014	11 621	26 381	1 633	33	160	1 826	14 100	-	**54 941**
Other wood products	93	-	778	3 280	4 150	9 565	46 382	5 974	2 519	3 412	11 906	28 913	-	**100 915**
Other n.e.c.	66	5	654	912	1 638	24 676	107 987	3 825	489	3 118	7 432	25 994	-	**167 727**
C. Wood pulp and paper products	**2 583**	**23**	**15 651**	**56 984**	**75 241**	**434 805**	**1 201 627**	**74 887**	**7 253**	**22 656**	**104 796**	**166 789**	**4**	**1 983 262**
Wood pulp - Total	-	-	**174**	**5 904**	**6 079**	**73 863**	**48 531**	**12 440**	**1**	**24**	**12 465**	**24 182**	-	**165 119**
- Chemical	-	-	174	5 904	6 079	65 279	47 278	12 406	1	17	12 424	24 128	-	**155 188**
Paper products	**2 583**	**23**	**15 477**	**51 079**	**69 162**	**360 942**	**1 153 096**	**62 447**	**7 252**	**22 632**	**92 331**	**142 606**	**4**	**1 818 143**
Newsprint	-	-	-	2	2	379	2 437	629	4	15	648	48	-	**3 514**
Other paper and paperboard	1 280	--	11 896	36 486	49 662	261 854	734 351	47 445	2 285	13 158	62 888	98 528	-	**1 207 284**
Book and writing paper	-	-	442	24 810	25 252	59 406	126 989	7 656	872	3 489	12 017	6 538	-	**230 202**
Fine paper	37	-	587	3 148	3 771	79 101	239 371	26 173	572	6 298	33 043	43 499	-	**398 786**
Tissue and sanitary	-	-	1 393	771	2 164	22 986	28 470	442	18	69	529	2 434	-	**56 582**
Wrapping and packaging	34	-	124	1 251	1 410	15 906	20 431	2 367	1	136	2 504	1 605	-	**41 855**
Paperboard	1 093	-	332	3 628	5 053	40 037	160 430	6 694	421	1 768	8 882	27 875	-	**242 277**
Building paper and paperboard	-	-	--	29	29	1 440	2 231	26	185	213	425	577	-	**4 701**
Converted paper	177	--	9 017	2 850	11 984	42 979	156 429	4 086	216	1 186	5 488	16 001	-	**232 881**
Other paper products	1 304	23	3 581	14 591	19 498	98 710	416 308	14 374	4 962	9 459	28 795	44 029	4	**607 344**
Total forest products	**4 014**	**55**	**21 042**	**90 381**	**115 492**	**741 927**	**1 775 392**	**113 248**	**17 262**	**39 399**	**169 909**	**422 603**	**7**	**3 225 330**

Source: Statistics Canada Special Compilation, International Trade Division.

III - 108. Imports of Forest Products (Value) by Commodity Group and Province or Region of Clearance, 1989

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$000							
A. Primary wood products	**2 893**	**7**	**650**	**18 646**	**22 196**	**133 596**	**48 595**	**1 532**	**557**	**886**	**2 976**	**22 513**	**-**	**229 876**
Logs, bolts - Total	-	7	1	5 356	5 364	107 470	34 064	194	87	221	502	10 422	-	157 822
- Softwood logs	-	-	-	2 423	2 423	73 794	4 100	61	53	113	227	10 155	-	90 699
Pulpwood - Total	-	-	-	5 610	5 610	18 682	6 667	-	-	--	--	6 815	-	37 775
- Softwoods	-	-	-	5 542	5 542	18 030	2 309	-	-	-	-	6 656	-	32 536
Wood chips	-	-	5	4 360	4 365	1 442	1 093	29	8	148	185	905	-	7 990
Other primary products	2 893	-	645	3 319	6 857	6 002	6 771	1 309	462	517	2 288	4 372	-	26 290
B. Wood-fabricated materials	**526**	**43**	**4 543**	**24 318**	**29 430**	**153 869**	**538 559**	**37 133**	**10 456**	**18 367**	**65 956**	**267 867**	**10**	**1 055 692**
Lumber - Softwoods	1	6	210	10 805	11 023	28 811	71 916	5 873	400	1 356	7 629	101 495	-	220 873
- Hardwoods	256	-	1 643	2 582	4 481	47 860	162 176	15 582	3 084	7 346	26 012	21 642	8	262 179
Shingles and shakes	-	-	-	70	70	11	32	28	-	6	34	4 143	-	4 291
Veneer - Softwoods	--	-	-	-	--	322	2 765	--	15	22	37	3 875	-	7 000
- Hardwoods	-	-	4	34	38	7 531	28 629	226	1 358	654	2 238	2 023	-	40 459
Plywood - Softwoods	-	-	607	1 150	1 757	6 106	23 614	988	61	518	1 566	9 292	-	42 336
- Hardwoods	-	-	246	669	915	11 666	23 751	277	81	461	819	23 654	-	60 805
Waferboard	-	-	-	451	451	586	1 221	349	23	266	638	245	-	3 140
Particleboard	6	-	9	139	155	2 160	9 770	3 712	400	391	4 503	12 315	-	28 903
Fibreboard	22	-	40	1 638	1 701	12 963	27 325	1 762	87	243	2 092	17 613	-	61 694
Other wood products	125	36	817	4 979	5 956	9 719	62 725	4 922	3 555	3 605	12 082	40 371	-	130 853
Other n.e.c.	115	1	966	1 799	2 882	26 134	124 635	3 414	1 393	3 499	8 306	31 198	2	193 159
C. Wood pulp and paper products	**2 964**	**92**	**19 672**	**49 048**	**71 777**	**436 672**	**1 274 380**	**83 720**	**7 127**	**29 102**	**119 948**	**208 243**	**9**	**2 111 035**
Wood pulp - Total	-	-	**3 846**	**4 086**	**7 932**	**56 416**	**62 390**	**12 826**	-	**188**	**13 014**	**34 280**	-	**174 032**
- Chemical	-	-	3 846	3 887	7 733	47 837	60 934	12 804	-	171	12 976	34 142	-	163 621
Paper products	**2 964**	**92**	**15 826**	**44 962**	**63 845**	**380 256**	**1 211 989**	**70 894**	**7 127**	**28 914**	**106 935**	**173 962**	**9**	**1 937 002**
Newsprint	-	-	-	423	423	247	4 713	352	1	12	365	248	-	5 995
Other paper and paperboard	1 277	71	12 801	29 223	43 372	271 422	760 437	51 264	2 940	15 390	69 594	121 594	--	1 266 420
Book and writing paper	-	-	1 161	17 091	18 252	57 350	112 594	6 549	988	3 408	10 945	9 923	-	209 064
Fine paper	84	-	1 351	3 051	4 485	78 070	274 763	28 578	1 264	6 731	36 573	48 120	-	442 012
Tissue and sanitary	1	-	508	626	1 134	24 493	22 135	1 347	22	64	1 432	2 451	-	51 646
Wrapping and packaging	-	-	114	980	1 093	16 209	26 529	2 648	2	100	2 750	3 266	--	49 848
Paperboard	1 149	-	336	5 307	6 793	44 775	156 581	6 955	155	2 681	9 792	39 582	-	257 523
Building paper and paperboard	-	-	-	53	53	904	1 822	4	127	126	257	262	-	3 298
Converted paper	43	71	9 331	2 116	11 562	49 620	166 012	5 183	382	2 279	7 843	17 990	-	253 028
Other paper products	1 687	21	3 025	15 316	20 049	108 588	446 840	19 278	4 186	13 512	36 976	52 120	9	664 587
Total forest products	**6 383**	**142**	**24 866**	**92 012**	**123 403**	**724 138**	**1 861 533**	**122 385**	**18 140**	**48 356**	**188 880**	**498 622**	**19**	**3 396 603**

Source: Statistics Canada Special Compilation, International Trade Division.

III - 11A. Imports of Forest Products (Quantity) by Commodity Group and Province or Region of Clearance, 1988

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	-	--	--	143	143	2 508	382	14	1	--	15	205	-	3 253
- Softwood logs	-	--	-	119	119	2 233	255	13	1	--	14	196	-	2 806
Pulpwood - Total (1 000 m^3)	-	-	-	112	112	490	184	--	-	-	--	281	-	1 067
- Softwoods	-	-	-	112	112	473	66	-	-	-	-	280	-	931
Wood chips (1 000 t)	--	-	--	78	79	22	27	--	--	8	9	58	-	195
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m^3)	-	--	2	39	42	129	266	27	1	3	31	389	--	857
- Hardwoods	--	--	6	4	11	120	378	33	5	14	52	31	-	593
Shingles and shakes (1 000 m^2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Veneer - Softwoods (1 000 m^2)	-	-	-	-	-	290	665	2	-	-	2	9 420	-	10 376
- Hardwoods	6	-	--	80	86	4 785	13 910	109	1 479	134	1 722	1 390	-	21 894
Plywood - Softwoods (1 000 m^3)	-	-	--	--	1	9	45	--	--	1	1	18	-	73
- Hardwoods	-	--	--	1	2	39	51	1	--	--	1	42	--	134
Waferboard (1 000 m^3)	-	-	--	3	3	4	5	1	--	--	1	3	-	17
Particleboard (1 000 m^3)	-	-	-	1	1	10	46	11	1	2	14	53	-	125
Fibreboard (1 000 kg)	-	-	25	1 409	1 434	27 530	34 162	2 930	35	281	3 247	25 767	-	92 140
Other wood products (1 000 m^3)	--	-	--	38	38	86	297	16	3	30	49	114	-	585
C. Wood pulp and paper products (1 000 t)	2	--	4	38	44	291	617	52	2	10	64	122	-	1 137
Wood pulp - Total	-	-	--	7	7	80	54	17	--	--	17	27	-	185
- Chemical	-	-	--	7	7	72	53	16	--	--	16	27	-	176
Paper products	2	--	4	31	36	211	563	36	2	10	47	95	-	952
Newsprint	-	-	-	--	--	1	3	1	--	--	1	--	-	5
Other paper and paperboard	2	--	4	31	36	210	560	35	2	10	46	94	-	947
Book and writing paper	-	-	--	21	22	48	81	6	--	2	8	4	-	163
Fine paper	--	-	--	3	3	61	160	15	--	4	20	37	-	282
Tissue and sanitary	-	-	--	--	1	8	14	--	--	--	--	2	-	25
Wrapping and packaging	--	-	--	1	2	21	22	3	--	--	3	2	-	50
Paperboard	1	-	--	4	6	53	220	9	1	2	12	42	-	333
Building paper and paperboard	-	-	--	--	--	2	5	--	--	--	--	1	-	8
Converted paper	--	--	3	1	3	17	58	2	--	--	2	7	-	87

Source: Statistics Canada Special Compilation, International Trade Division.

III - 11B. Imports of Forest Products (Quantity) by Commodity Group and Province or Region of Clearance, 1989

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	-	-	--	108	108	2 753	236	1	2	2	5	157	-	3 258
- Softwood logs	-	-	--	66	66	2 243	75	1	1	2	4	156	-	2 544
Pulpwood - Total (1 000 m^3)	-	-	-	231	231	620	248	-	-	--	--	145	-	1 244
- Softwoods	-	-	-	229	229	599	102	-	-	-	-	139	-	1 069
Wood chips (1 000 t)	-	-	--	67	67	22	21	--	--	2	3	33	-	146
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m^3)	--	--	1	45	46	161	289	31	2	6	39	501	-	1 036
- Hardwoods	1	-	13	6	19	126	380	38	5	13	55	38	--	619
Shingles and shakes (1 000 m^2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Veneer - Softwoods (1 000 m^2)	-	-	-	-	-	34	346	-	7	10	18	3 413	-	3 812
- Hardwoods	-	-	1	46	46	4 525	15 850	112	481	195	787	1 107	-	22 314
Plywood - Softwoods (1 000 m^3)	-	-	1	5	6	20	76	2	--	2	4	28	-	135
- Hardwoods	-	-	--	1	2	25	50	--	--	1	2	43	-	120
Waferboard (1 000 m^3)	-	-	-	3	3	2	5	2	--	1	3	1	-	14
Particleboard (1 000 m^3)	--	-	--	1	1	8	35	14	1	1	17	55	-	115
Fibreboard (1 000 kg)	35	-	98	2 530	2 663	32 338	35 459	3 652	98	518	4 269	30 691	-	105 419
Other wood products (1 000 m^3)	--	-	--	2	2	77	258	3	1	7	10	162	-	509
C. Wood pulp and paper products (1 000 t)	**1**	**--**	**8**	**29**	**38**	**263**	**621**	**47**	**2**	**12**	**60**	**150**	**--**	**1 131**
Wood pulp - Total	-	-	3	5	8	62	63	15	-	--	15	36	-	184
- Chemical	-	-	3	5	8	53	62	15	-	--	15	36	-	173
Paper products	1	--	5	24	30	201	558	32	2	12	45	114	--	947
Newsprint	-	-	-	1	1	--	7	--	--	--	--	--	-	9
Other paper and paperboard	1	--	5	23	29	200	551	31	2	12	45	113	--	939
Book and writing paper	-	-	1	14	15	47	83	4	--	2	7	8	-	159
Fine paper	--	-	1	2	3	50	172	14	1	4	19	34	-	278
Tissue and sanitary	--	-	--	--	--	10	10	--	--	--	--	2	-	22
Wrapping and packaging	-	-	--	1	1	21	24	3	--	--	3	3	--	53
Paperboard	1	-	--	5	6	55	201	7	--	5	12	57	-	332
Building paper and paperboard	-	-	-	--	--	1	2	--	--	--	--	--	-	4
Converted paper	--	--	3	1	3	18	59	2	--	1	3	8	-	91

Source: Statistics Canada Special Compilation, International Trade Division.

III - 12A. Domestic Exports[a] of Forest Products (Value) by Commodity Group and Major Trade Group, 1988

Commodity	United States	South and Central America	Africa	Europe				USSR	Asia		Oceania	World
				United Kingdom	Other EEC	Scandi-navia	Europe		Japan	Asia		
							$000					
A. Primary wood products	**172 527**	**1 436**	**90**	**936**	**9 479**	**1 935**	**13 232**	**-**	**277 099**	**311 278**	**513**	**499 088**
Logs, bolts - Total	45 558	815	84	806	3 727	8	5 121	-	217 278	246 600	128	**298 306**
- Softwood logs	41 126	815	-	518	602	-	1 444	-	213 968	237 073	128	**280 586**
Pulpwood - Total	12 971	-	-	55	5 431	1 884	7 661	-	5 568	9 395	356	**30 383**
- Softwoods	10 100	-	-	55	5 307	-	5 652	-	5 158	8 619	356	**24 728**
Wood chips	42 343	13	-	-	-	-	-	-	52 116	52 116	-	**94 472**
Other primary products	71 655	608	7	75	322	43	451	-	2 137	3 167	28	**75 927**
B. Wood-fabricated materials	**4 507 339**	**21 715**	**45 175**	**608 100**	**350 488**	**12 288**	**981 804**	**658**	**903 235**	**989 955**	**114 412**	**6 662 591**
Lumber - Softwoods	3 421 165	16 484	39 180	489 369	231 839	120	729 849	-	859 769	916 900	109 709	**5 233 564**
- Hardwoods	58 090	199	2 608	22 108	66 444	5 756	94 923	425	17 755	25 041	219	**181 538**
Shingles and shakes	205 331	882	65	1 035	2 500		3 763	-	259	396	761	**211 219**
Veneer - Softwoods	20 756	-	-	82	290		483	-	865	1 073	-	**22 352**
- Hardwoods	99 290	250	1 122	1 329	8 529	2 982	13 299	137	2 046	8 040	419	**122 600**
Plywood - Softwoods	15 578	314	-	58 488	27 451	1 405	87 373	-	9 884	10 823	290	**114 458**
- Hardwoods	33 454	90	-	153	149		302	-	138	300	8	**34 375**
Waferboard	148 063	10	10	2 454	486	163	3 103	-	48	271	-	**151 462**
Particleboard	45 433	323	-	268	553	8	896	-	279	1 837	35	**48 533**
Fibreboard	23 773	187	-	6 535	3 384	1 365	11 346	-	2 112	12 821	36	**48 172**
Other wood products	235 267	227	-	6 961	2 418	260	10 034	-	1 543	2 430	1 536	**249 582**
Other n.e.c.	201 139	2 748	2 189	9 318	6 444	229	26 433	96	8 537	10 023	1 399	**244 736**
C. Wood pulp and paper products	**10 256 673**	**455 840**	**28 247**	**605 795**	**1 642 565**	**20 996**	**2 371 037**	**26 266**	**1 119 368**	**2 094 979**	**186 203**	**15 419 649**
Wood pulp - Total	**2 970 381**	**91 703**	**1 862**	**282 606**	**1 391 295**	**16 738**	**1 785 449**	**26 118**	**941 444**	**1 545 966**	**74 311**	**6 495 791**
- Chemical	2 906 201	84 972	1 846	282 604	1 390 028	16 738	1 784 148	26 118	887 131	1 473 092	74 311	**6 350 689**
Paper products	**7 286 292**	**364 136**	**26 385**	**323 190**	**251 270**	**4 258**	**585 588**	**148**	**177 924**	**549 013**	**111 892**	**8 923 858**
Newsprint	5 206 759	240 754	7 761	210 890	153 666	-	364 909	-	96 506	300 212	80 695	**6 201 090**
Other paper and paperboard	1 835 950	115 544	16 452	108 632	88 941	3 905	207 125	36	78 200	233 884	22 423	**2 431 452**
Book and writing paper	1 048 239	38 147	2 770	60 776	22 370	-	85 143	-	43 561	83 811	7 143	**1 265 256**
Fine paper	242 108	8 987	5 435	7 166	868	-	8 261	36	10	17 224	8 844	**290 893**
Tissue and sanitary	60 168	981	303	1 618	716	3	2 410	-	-	14 818	3 633	**82 318**
Wrapping and packaging	119 683	14 802	2 953	10 714	17 976	497	29 541	-	14 879	52 525	219	**219 724**
Paperboard	136 605	50 425	4 388	25 197	45 688	3 090	76 823	-	19 533	62 984	883	**332 130**
Building paper and paperboard	20 292	193	-	619	8	-	627	-	5	141	1	**21 258**
Converted paper	208 855	2 010	602	2 542	1 319	316	4 320	-	211	2 381	1 700	**219 872**
Other paper products	243 583	7 837	2 172	3 668	8 660	352	13 554	112	3 218	14 916	8 774	**291 317**
Total forest products	**14 936 540**	**478 991**	**73 513**	**1 214 831**	**2 002 533**	**35 219**	**3 366 073**	**26 923**	**2 299 701**	**3 396 212**	**301 128**	**22 581 328**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 12B. Domestic Exports[a] of Forest Products (Value) by Commodity Group and Major Trade Group, 1989

Commodity	United States	South and Central America	Africa	Europe				USSR	Asia		Oceania	World
				United Kingdom	Other EEC	Scandi-navia	Europe		Japan	Asia		
							$000					
A. Primary wood products	**150 909**	**539**	**-**	**591**	**8 570**	**97**	**9 843**	**61**	**262 366**	**281 282**	**35**	**442 690**
Logs, bolts - Total	29 177	-	-	502	3 438	93	4 557	61	135 057	149 782	17	183 595
- Softwood logs	24 472	-	-	87	384	10	479	-	132 463	141 656	-	166 607
Pulpwood - Total	13 034	-	-	-	4 820	-	4 820	-	208	3 334	-	21 188
- Softwoods	11 000	-	-	-	4 820	-	4 820	-	205	3 025	-	18 846
Wood chips	37 847	-	-	-	11	-	11	-	126 851	126 854	-	164 711
Other primary products	70 851	539	-	89	301	5	455	-	251	1 313	18	73 195
B. Wood-fabricated materials	**4 484 522**	**24 596**	**96 164**	**572 365**	**301 088**	**12 034**	**892 420**	**32**	**1 093 268**	**1 180 280**	**110 443**	**6 789 735**
Lumber - Softwoods	3 358 941	19 178	93 095	471 214	219 254	57	694 605	-	1 051 666	1 108 808	104 048	5 378 994
- Hardwoods	53 380	335	1 417	15 591	33 941	3 170	53 162	32	13 093	21 143	231	129 725
Shingles and shakes	208 659	371	19	903	2 469	-	3 548	-	414	662	1 516	214 791
Veneer - Softwoods	25 248	62	-	51	271	-	607	-	1 121	1 506	141	27 565
- Hardwoods	93 353	485	1 163	865	9 480	2 775	13 755	-	3 085	7 388	322	116 467
Plywood - Softwoods	11 251	293	-	53 616	23 747	1 701	79 227	-	12 917	13 135	445	104 550
- Hardwoods	43 011	41	-	75	92	-	227	-	-	87	278	43 690
Waferboard	193 204	14	-	2 816	978	109	4 008	-	1 284	1 554	-	198 784
Particleboard	36 608	21	-	114	28	-	142	-	149	373	-	37 150
Fibreboard	28 403	223	-	1 700	3 596	2 929	8 462	-	2 899	16 276	124	53 498
Other wood products	199 393	164	3	7 480	1 909	495	10 193	-	1 841	2 838	2 269	214 999
Other n.e.c.	233 071	3 409	466	17 942	5 323	799	24 484	-	4 800	6 510	1 067	269 522
C. Wood pulp and paper products	**10 097 861**	**381 455**	**48 566**	**649 167**	**1 935 539**	**26 948**	**2 724 259**	**29 499**	**1 185 332**	**2 043 803**	**219 276**	**15 546 376**
Wood pulp - Total	**3 097 426**	**84 327**	**6 044**	**288 220**	**1 649 904**	**25 806**	**2 072 776**	**29 368**	**1 032 189**	**1 570 464**	**78 864**	**6 939 269**
- Chemical	3 043 720	82 367	6 044	288 220	1 649 753	25 806	2 072 625	29 368	952 864	1 483 790	78 864	6 796 779
Paper products	7 000 435	297 128	42 522	360 947	285 636	1 141	651 483	132	153 143	473 339	140 411	8 607 107
Newsprint	4 795 778	174 333	22 012	209 698	155 174	-	365 415	-	43 663	196 492	111 458	5 665 489
Other paper and paperboard	1 899 558	106 891	17 118	146 093	118 999	649	268 242	1	102 838	244 985	16 144	2 553 069
Book and writing paper	948 910	48 338	5 691	105 062	56 308	38	161 416	-	76 516	117 899	3 734	1 285 988
Fine paper	397 851	8 935	4 600	6 257	3 978	78	10 628	-	1 227	19 249	5 344	446 627
Tissue and sanitary	62 108	175	-	588	48	-	674	-	-	16 647	239	79 842
Wrapping and packaging	131 233	14 688	3 264	11 751	19 204	522	32 177	-	9 413	40 314	1 439	223 120
Paperboard	151 423	33 472	2 639	18 974	38 611	11	59 036	1	15 601	49 380	3 339	299 399
Building paper and paperboard	23 228	41	-	48	2	-	50	-	23	183	-	23 506
Converted paper	184 805	1 244	925	3 413	849	--	4 261	-	58	1 312	2 019	194 586
Other paper products	305 098	15 904	3 392	5 156	11 463	492	17 825	131	6 643	31 862	12 840	388 550
Total forest products	**14 733 293**	**406 590**	**144 730**	**1 222 123**	**2 245 198**	**39 080**	**3 626 523**	**29 593**	**2 540 966**	**3 505 365**	**329 754**	**22 778 800**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 13A. Domestic Exports[a] of Forest Products (Quantity) by Commodity Group and Major Trade Group, 1988

Commodity	United States	South and Central America	Africa	Europe				USSR	Asia		Oceania	World
				United Kingdom	Other EEC	Scandi-navia	Europe		Japan	Asia		
A. Primary wood products												
Logs, bolts - Total (1 000 m^3)	587	5	5	9	20	-	36	-	1 889	2 380	1	3 014
- Softwood logs	518	5	-	5	6	-	17	-	1 848	2 264	1	2 805
Pulpwood - Total (1 000 m^3)	588	-	-	3	160	72	239	-	61	152	6	985
- Softwoods	411	-	-	3	157	-	163	-	55	137	6	718
Wood chips (1 000 t)	1 058	--	-	-	-	-	-	-	604	604	-	1 662
B. Wood-fabricated materials												
Lumber - Softwoods (1 000 m^3)	31 998	137	257	2 935	896	1	3 870	-	3 429	3 840	416	40 521
- Hardwoods	300	--	6	48	132	15	196	--	39	89	1	592
Shingles and shakes (1 000 m^2)	30 301	106	7	110	290	-	430	-	43	61	99	31 008
Veneer - Softwoods (1 000 m^2)	47 698	-	-	24	111	-	217	-	1 613	1 895	-	49 837
- Hardwoods	89 891	110	848	887	6 420	1 929	9 649	9	1 160	6 016	197	106 725
Plywood - Softwoods (1 000 m^3)	88	1	-	181	91	5	278	-	35	38	1	406
- Hardwoods	61	1	-	--	--	-	--	-	--	11	--	73
Waferboard (1 000 m^3)	964	--	--	12	2	1	15	-	--	1	-	981
Particleboard (1 000 ^{3})	182	1	-	1	2	--	3	-	1	6	--	193
Fibreboard (1 000 kg)	43 327	170	-	11 523	7 784	2 930	22 437	-	4 968	27 402	106	93 449
Other wood products (1 000 m^3)	1 501	--	-	27	51	1	79	-	4	5	5	1 592
C. Wood pulp and paper products (1 000 t)	**13 187**	**660**	**36**	**818**	**2 077**	**30**	**3 054**	**29**	**1 483**	**2 790**	**239**	**19 996**
Wood pulp - Total	**3 929**	**124**	**2**	**388**	**1 733**	**22**	**2 263**	**29**	**1 237**	**2 022**	**94**	**8 465**
- Chemical	3 770	110	2	388	1 731	22	2 261	29	1 120	1 865	94	8 131
Paper products	**9 257**	**536**	**34**	**430**	**344**	**8**	**791**	--	**246**	**768**	**145**	**11 531**
Newsprint	7 172	358	12	285	197	-	483	-	131	418	124	8 566
Other paper and paperboard	2 086	177	22	145	146	8	309	--	115	350	21	2 965
Book and writing paper	1 260	53	4	70	27	-	100	-	53	107	9	1 534
Fine paper	239	8	4	12	--	-	13	--	--	16	7	287
Tissue and sanitary	48	1	--	1	--	--	1	-	-	13	3	67
Wrapping and packaging	154	19	5	14	30	1	45	-	22	81	--	304
Paperboard	255	95	8	47	88	7	147	-	40	132	1	638
Building paper and paperboard	57	--	-	1	--	-	1	-	--	--	--	58
Converted paper	72	1	--	1	--	--	2	-	--	1	1	77

[a] Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 13B. Domestic Exports[a] of Forest Products (Quantity) by Commodity Group and Major Trade Group, 1989

Commodity	United States	South and Central America	Africa	Europe				USSR	Asia		Oceania	World
				United Kingdom	Other EEC	Scandi-navia	Europe		Japan	Asia		
A. Primary wood products												
Logs, bolts - Total (1 000 m^3)	385	-	-	5	20	--	28	--	1 158	1 377	--	**1 790**
- Softwood logs	344	-	-	--	7	--	8	-	1 140	1 304	-	**1 656**
Pulpwood - Total (1 000 m^3)	610	-	-	-	120	-	120	-	10	77	-	**807**
- Softwoods	475	-	-	-	120	-	120	-	10	73	-	**668**
Wood chips (1 000 t)	823	-	-	-	--	-	--	-	1 069	1 069	-	**1 891**
B. Wood-fabricated materials												
Lumber - Softwoods (1 000 m^3)	31 027	145	562	2 727	853	--	3 593	-	3 952	4 283	401	**40 013**
- Hardwoods	286	1	3	29	54	6	88	--	21	35	--	**413**
Shingles and shakes (1 000 m^2)	32 184	44	2	102	327	-	446	-	59	82	206	**32 968**
Veneer - Softwoods (1 000 m^2)	45 898	24	-	25	134	-	404	-	2 502	2 789	60	**49 174**
- Hardwoods	90 338	326	876	511	6 829	1 902	9 788	-	1 795	5 079	152	**106 559**
Plywood - Softwoods (1 000 m^3)	30	1	-	161	78	7	246	-	45	46	2	**325**
- Hardwoods	69	--	-	--	--	-	--	-	-	--	5	**76**
Waferboard (1 000 m^3)	1 106	--	-	15	5	1	21	-	7	9	-	**1 135**
Particleboard (1 000 m^3)	168	--	-	1	--	-	1	-	1	2	-	**171**
Fibreboard (1 000 kg)	60 462	282	-	2 799	11 258	8 286	23 078	-	8 170	45 024	274	**129 131**
Other wood products (1 000 m^3)	10 411	21	--	442	114	57	614	-	27	45	7	**11 116**
C. Wood pulp and paper products (1 000 t)	**12 698**	**534**	**65**	**883**	**2 291**	**30**	**3 331**	**30**	**1 502**	**2 614**	**272**	**19 543**
Wood pulp - Total	**3 668**	**105**	**7**	**368**	**1 883**	**29**	**2 404**	**30**	**1 279**	**1 933**	**94**	**8 241**
- Chemical	3 537	101	7	368	1 883	29	2 404	30	1 117	1 756	94	**7 929**
Paper products	**9 030**	**429**	**58**	**515**	**404**	**1**	**927**	--	**223**	**681**	**178**	**11 302**
Newsprint	6 888	265	35	312	204	-	517	-	64	312	167	**8 185**
Other paper and paperboard	2 142	163	23	203	201	1	409	--	159	369	10	**3 117**
Book and writing paper	1 120	66	7	141	80	--	222	-	108	172	4	**1 591**
Fine paper	402	7	3	7	4	--	12	-	2	18	3	**446**
Tissue and sanitary	51	--	-	1	--	-	1	-	-	13	--	**65**
Wrapping and packaging	170	19	6	16	34	1	51	-	15	59	2	**307**
Paperboard	280	70	6	37	83	--	122	--	34	106	1	**586**
Building paper and paperboard	63	--	-	--	--	-	--	-	--	--	-	**64**
Converted paper	55	--	1	1	--	--	1	-	--	1	1	**59**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 14A. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1988

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
								$000							
United States	**133 638**	**87**	**425 960**	**889 289**	**1 448 974**	**4 155 307**	**3 817 419**	**163 018**	**138 471**	**585 231**	**886 720**	**4 627 898**	**224**	**14 936 540**	**66.1**
Softwood lumber	15	-	901	76 639	77 554	441 688	468 938	40 369	10 298	133 072	183 739	2 249 077	169	3 421 165	
Wood pulp	43	-	179 013	361 520	540 576	370 201	820 883	9 688	92 728	364 881	467 296	771 426	-	2 970 381	
Newsprint	45 065	-	223 878	245 341	514 283	2 412 147	1 542 874	43 519	101	159	43 779	693 675	-	5 206 759	
Central America	**45 096**	**65**	**1 014**	**58 748**	**104 922**	**43 053**	**15 835**	**4 318**	**8**	**172**	**4 497**	**71 195**	**-**	**239 503**	**1.1**
Softwood lumber	-	-	18	2 990	3 009	869	953	39	-	-	39	11 140	-	16 010	
Wood pulp	-	-	-	2 473	2 473	1 510	193	252	-	-	252	34 389	-	38 817	
Newsprint	43 088	-	18	18 398	63 504	14 626	83	-	-	-	-	14 767	-	92 979	
South America	**60 243**	**-**	**26 482**	**12 823**	**99 548**	**46 828**	**4 584**	**4**	**16**	**3**	**22**	**88 506**	**-**	**239 488**	**1.1**
Softwood lumber	16	-	-	-	16	7	-	-	16	-	16	436	-	474	
Wood pulp	-	-	-	551	551	2 462	-	-	-	-	-	49 873	-	52 886	
Newsprint	43 017	-	26 444	6 778	76 239	36 096	2 870	-	-	-	-	32 570	-	147 775	
Middle East and North Africa	**7 190**	**-**	**10 745**	**10 262**	**28 198**	**15 840**	**11 509**	**-**	**-**	**22**	**22**	**67 355**	**-**	**122 923**	**0.5**
Softwood lumber	-	-	-	-	-	2 590	1 502	-	-	12	12	47 342	-	51 446	
Wood pulp	-	-	4 744	2 703	7 447	3 690	1 607	-	-	-	-	8 787	-	21 531	
Newsprint	4 868	-	4 627	819	10 313	3 418	154	-	-	-	-	570	-	14 454	
United Kingdom	**57 215**	**-**	**42 626**	**163 941**	**263 782**	**283 007**	**54 345**	**3 018**	**4 805**	**3 372**	**11 195**	**602 502**	**-**	**1 214 831**	**5.4**
Softwood lumber	37	-	15 589	25 037	40 663	70 590	7 981	1 494	-	728	2 222	367 914	-	489 369	
Wood pulp	-	-	26 066	95 870	121 937	41 236	7 411	-	4 726	340	5 066	106 956	-	282 606	
Newsprint	42 854	-	167	32 124	75 145	113 586	-	-	-	-	-	22 160	-	210 890	
Other EEC countries	**50 006**	**142**	**35 106**	**149 024**	**234 277**	**335 591**	**55 839**	**192**	**16 174**	**2 325**	**18 691**	**1 358 134**	**-**	**2 002 533**	**0.9**
Softwood lumber	-	-	875	1 989	2 864	9 916	282	27	-	413	440	218 339	-	231 839	
Wood pulp	-	-	30 380	126 546	156 926	153 332	19 953	-	16 174	2	16 176	1 044 906	-	1 391 295	
Newsprint	42 306	-	720	16 077	59 102	94 407	57	-	-	-	-	98	-	153 666	
Scandinavia	**-**	**-**	**8 669**	**9**	**8 678**	**13 934**	**5 129**	**-**	**-**	**446**	**446**	**7 031**	**-**	**35 219**	**0.2**
Softwood lumber	-	-	-	-	-	-	36	-	-	-	-	84	-	120	
Wood pulp	-	-	6 635	-	6 635	9 462	-	-	-	-	-	641	-	16 738	
Newsprint	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

III - 14A. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1988 (concluded)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
								$000							
China, People's Rep.	**17 036**	**-**	**4 718**	**12 283**	**34 037**	**25 261**	**344**	**1**	**-**	**-**	**1**	**212 053**	**-**	**271 697**	**1.2**
Softwood lumber	-	-	-	7	7	-	-	-	-	-	-	25 780	-	25 787	
Wood pulp	-	-	4 718	5 175	9 893	4 342	-	-	-	-	-	151 202	-	165 437	
Newsprint	4 524	-	-	3 493	8 017	20 715	-	-	-	-	-	3 181	-	31 913	
Japan	**12 886**	**-**	**6 185**	**213 360**	**232 431**	**57 844**	**36 986**	**930**	**49 377**	**13 759**	**64 066**	**1 908 375**	**-**	**2 299 701**	**10.2**
Softwood lumber	22	-	-	4	25	277	313	105	48	323	476	858 677	-	859 769	
Wood pulp	-	-	2 197	129 312	131 508	29 623	27 227	-	49 246	11 517	60 763	692 323	-	941 444	
Newsprint	12 834	-	3 853	58 580	75 267	8 324	481	-	-	37	37	12 397	-	96 506	
Southeast Asia	**761**	**-**	**1 002**	**5 205**	**6 968**	**30 023**	**4 420**	**65**	**2**	**679**	**745**	**164 482**	**-**	**206 638**	**0.9**
Softwood lumber	-	-	-	-	-	41	-	65	-	-	65	29	-	135	
Wood pulp	-	-	-	-	-	-	-	-	-	-	-	91 598	-	91 598	
Newsprint	162	-	348	-	510	16 348	518	-	-	-	-	30 708	-	48 084	
Australia	**11 794**	**-**	**2 185**	**43**	**14 022**	**8 503**	**14 208**	**471**	**5**	**196**	**672**	**241 775**	**-**	**279 179**	**1.2**
Softwood lumber	-	-	-	-	-	-	249	-	-	169	169	101 656	-	102 074	
Wood pulp	-	-	1 622	-	1 622	1 269	-	-	-	-	-	71 307	-	74 197	
Newsprint	11 794	-	-	-	11 794	3 312	37	-	-	-	-	59 214	-	74 357	
Other countries	**7 783**	**10**	**17 053**	**26 759**	**51 606**	**120 419**	**24 547**	**241**	**10 404**	**16 230**	**26 878**	**509 625**	**--**	**733 076**	**3.2**
Softwood lumber	-	-	345	1	346	173	117	32	--	86	119	34 619	--	35 376	
Wood pulp	--	-	14 485	13 391	27 876	58 344	103	--	10 318	7 570	17 888	344 649	-	448 861	
Newsprint	7 737	-	26	7 151	14 917	34 531	776	--	76	1	76	73 408	-	123 707	
World	**403 648**	**304**	**581 745**	**1 541 746**	**2 527 443**	**5 135 610**	**4 045 165**	**172 258**	**219 262**	**622 435**	**1 013 955**	**9 858 930**	**224**	**22 581 328**	**100.0**
Softwood lumber	89	-	17 728	106 667	124 484	526 151	480 371	42 131	10 362	134 803	187 297	3 915 093	169	5 233 564	
Wood pulp	43	-	269 860	737 541	1 007 444	675 471	877 377	9 940	173 192	384 310	567 441	3 368 057	-	6 495 791	
Newsprint	260 249	-	260 081	388 761	909 091	2 757 510	1 547 850	43 519	177	197	43 892	942 748	-	6 201 090	

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 148. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1989

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
							$000								
United States	**110 204**	**839**	**356 688**	**826 781**	**1 294 513**	**4 062 485**	**3 703 571**	**208 509**	**217 391**	**673 976**	**1 099 877**	**4 572 839**	**9**	**14 733 293**	**64.7**
Softwood lumber	3	-	528	73 265	73 796	450 945	375 345	65 672	12 144	159 778	237 593	2 221 257	5	3 358 941	
Wood pulp	19	-	132 492	350 919	483 430	377 569	927 596	4 884	86 687	397 607	489 178	819 653	-	3 097 426	
Newsprint	39 618	55	196 090	180 859	416 621	2 189 563	1 426 158	63 433	-	-	63 433	700 003	-	4 795 778	
Central America	**38 880**	**9**	**809**	**52 093**	**91 791**	**33 214**	**21 146**	**6 520**	**-**	**2 841**	**9 361**	**56 113**	**-**	**211 625**	**0.9**
Softwood lumber	-	-	75	3 544	3 619	1 300	2 609	-	-	6	6	11 439	-	18 973	
Wood pulp	-	-	-	1 413	1 413	1 622	-	338	-	2 786	3 124	22 317	-	28 476	
Newsprint	38 877	-	-	11 034	49 912	8 006	51	-	-	-	-	12 605	-	70 574	
South America	**45 065**	**-**	**16 263**	**23 099**	**84 427**	**48 246**	**1 707**	**-**	**-**	**553**	**553**	**60 031**	**-**	**194 965**	**0.9**
Softwood lumber	-	-	-	8	8	-	-	-	-	-	-	198	-	205	
Wood pulp	-	-	-	155	155	9 556	-	-	-	552	552	45 588	-	55 851	
Newsprint	35 707	-	16 219	9 758	61 684	32 522	-	-	-	-	-	9 553	-	103 759	
Middle East and North Africa	**8 166**	**760**	**18 621**	**18 619**	**46 166**	**32 107**	**13 067**	**26**	**4**	**16**	**46**	**110 246**	**-**	**201 631**	**0.9**
Softwood lumber	-	760	-	-	760	8 670	5 787	-	-	1	1	96 294	-	111 514	
Wood pulp	-	-	6 217	1 779	7 995	2 677	-	-	-	-	-	945	-	11 617	
Newsprint	3 893	-	11 721	1 337	16 950	9 955	128	-	-	-	-	665	-	27 698	
United Kingdom	**82 144**	**-**	**46 832**	**173 417**	**302 392**	**273 646**	**55 221**	**2 106**	**-**	**3 943**	**6 049**	**584 814**	**-**	**1 222 123**	**5.4**
Softwood lumber	16	-	18 650	46 815	65 482	66 914	8 223	76	-	1 944	2 020	328 576	-	471 214	
Wood pulp	-	-	27 421	75 350	102 771	51 059	9 545	-	-	458	458	124 387	-	288 220	
Newsprint	50 575	-	277	11 908	62 760	103 773	-	-	-	-	-	43 165	-	209 698	
Other EEC countries	**54 284**	**-**	**50 415**	**179 768**	**284 467**	**398 194**	**43 979**	**789**	**3 045**	**4 762**	**8 596**	**1 509 962**	**-**	**2 245 198**	**9.9**
Softwood lumber	-	-	1 771	2 407	4 177	15 132	577	101	-	1 048	1 149	198 219	-	219 254	
Wood pulp	-	-	39 545	143 269	182 815	223 728	12 905	-	3 045	1 623	4 668	1 225 787	-	1 649 904	
Newsprint	49 786	-	5 092	4 824	59 701	92 998	281	-	-	-	-	2 194	-	155 174	
Scandinavia	**-**	**-**	**16 069**	**-**	**16 069**	**12 118**	**5 368**	**-**	**-**	**2 065**	**2 065**	**3 459**	**-**	**39 080**	**0.2**
Softwood lumber	-	-	-	-	-	17	-	-	-	-	-	40	-	57	
Wood pulp	-	-	16 069	-	16 069	8 722	-	-	-	-	-	1 015	-	25 806	
Newsprint	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

III - 14B. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1989 (concluded)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
								$000							
China, People's Rep.	**6 903**	**-**	**4 563**	**7 312**	**18 778**	**5 164**	**302**	**-**	**-**	**1 493**	**1 493**	**121 022**	**-**	**146 758**	**0.6**
Softwood lumber	-	-	-	-	-	-	-	-	-	15	15	6 852	-	6 867	
Wood pulp	-	-	4 563	918	5 481	1 264	36	-	-	1 149	1 149	97 478	-	105 407	
Newsprint	3 564	-	-	3 672	7 236	3 809	13	-	-	-	-	7 553	-	18 611	
Japan	**15 982**	**-**	**2 386**	**182 344**	**200 712**	**40 556**	**13 272**	**1 359**	**48 454**	**23 808**	**73 621**	**2 212 805**	**-**	**2 540 966**	**11.1**
Softwood lumber	7	-	-	3	10	312	456	53	23	1 824	1 901	1 048 986	-	1 051 666	
Wood pulp	-	-	1 812	116 241	118 053	20 189	2 415	-	48 137	18 855	66 992	824 540	-	1 032 189	
Newsprint	15 936	-	574	9 954	26 464	850	465	-	-	-	-	15 884	-	43 663	
Southeast Asia	**761**	**-**	**1 405**	**6 402**	**8 568**	**34 587**	**6 356**	**87**	**-**	**640**	**727**	**153 503**	**-**	**203 740**	**0.9**
Softwood lumber	-	-	-	-	-	29	-	-	-	-	-	104	-	133	
Wood pulp	-	-	291	-	291	1 050	-	-	-	80	80	97 646	-	99 067	
Newsprint	356	-	-	633	989	15 916	780	-	-	-	-	23 712	-	41 397	
Australia	**10 890**	**-**	**3 487**	**842**	**15 219**	**24 659**	**13 218**	**5**	**3**	**884**	**892**	**253 973**	**-**	**307 960**	**1.3**
Softwood lumber	-	-	-	1	1	60	617	-	-	532	532	94 724	-	95 935	
Wood pulp	-	-	1 729	495	2 225	2 267	-	-	-	311	311	73 981	-	78 784	
Newsprint	10 739	-	-	-	10 739	16 945	-	-	-	-	-	79 777	-	107 461	
Other countries	**3 625**	**4**	**6 402**	**33 873**	**43 902**	**116 546**	**25 358**	**1 947**	**6 172**	**15 798**	**23 916**	**521 738**	**--**	**731 461**	**3.2**
Softwood lumber	1	--	754	102	856	3 597	283	--	6	31	36	39 464	--	44 235	
Wood pulp	--	-	2 754	24 429	27 182	76 718	1 094	5	6 155	10 587	16 747	344 781	-	466 522	
Newsprint	3 592	--	499	3 680	7 772	9 209	1 425	--	-	-	--	73 270	-	91 676	
World	**376 903**	**1 612**	**523 940**	**1 504 549**	**2 407 004**	**5 081 522**	**3 907 565**	**221 348**	**275 069**	**730 779**	**1 227 196**	**10 160 505**	**9**	**22 778 800**	**100.0**
Softwood lumber	27	760	21 778	126 145	148 709	546 976	393 897	65 902	12 173	165 179	243 253	4 046 153	5	5 378 994	
Wood pulp	19	-	232 893	714 968	947 880	776 421	953 591	5 227	144 024	434 008	583 259	3 678 118	-	6 939 269	
Newsprint	252 643	55	230 471	237 659	720 828	2 483 546	1 429 301	63 433	-	-	63 433	968 381	-	5 665 489	

[a]Excluding re-exports.
[b]See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 15A. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1988

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
United States														
Softwood lumber (1 000 m^3)	--	-	7	677	685	3 797	4 442	372	92	1 497	1 960	21 113	1	31 998
Wood pulp (1 000 t)	--	-	238	521	759	467	1 042	15	143	457	615	1 047	-	3 929
Newsprint (1 000 t)	63	-	308	343	714	3 184	2 167	66	--	--	67	1 041	-	7 172
Central America														
Softwood lumber (1 000 m^3)	-	-	--	19	19	3	4	--	-	-	--	109	-	135
Wood pulp (1 000 t)	-	-	-	4	4	2	--	1	-	-	1	49	-	57
Newsprint (1 000 t)	77	-	--	26	103	19	--	-	-	-	-	22	-	144
South America														
Softwood lumber (1 000 m^3)	--	-	-	-	--	--	-	-	--	-	--	2	-	2
Wood pulp (1 000 t)	-	-	-	1	1	3	-	-	-	-	-	63	-	67
Newsprint (1 000 t)	68	-	32	9	109	52	4	-	-	-	-	49	-	214
Middle East and North Africa														
Softwood lumber (1 000 m^3)	-	-	-	-	-	15	12	-	-	--	--	346	-	373
Wood pulp (1 000 t)	-	-	6	3	9	5	2	-	-	-	-	9	-	25
Newsprint (1 000 t)	8	-	8	1	17	5	--	-	-	-	-	1	-	23
United Kingdom														
Softwood lumber (1 000 m^3)	--	-	83	146	229	437	46	7	-	5	12	2 211	-	2 935
Wood pulp (1 000 t)	-	-	33	147	180	57	8	-	6	1	6	137	-	388
Newsprint (1 000 t)	62	-	--	41	104	150	-	-	-	-	-	31	-	285
Other EEC countries														
Softwood lumber (1 000 m^3)	-	-	4	11	15	73	1	--	-	2	2	805	-	896
Wood pulp (1 000 t)	-	-	39	155	194	191	22	-	19	--	19	1 306	-	1 733
Newsprint (1 000 t)	67	-	-	22	90	105	--	-	-	-	-	--	-	197
Scandinavia														
Softwood lumber (1 000 m^3)	-	-	-	-	-	-	--	-	-	-	-	--	-	1
Wood pulp (1 000 t)	-	-	9	-	9	12	-	-	-	-	-	1	-	22
Newsprint (1 000 t)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

III - 15A. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1988 (concluded)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
China, People's Rep.														
Softwood lumber (1 000 m^3)	-	-	-	--	--	-	-	-	-	-	-	199	-	199
Wood pulp (1 000 t)	-	-	6	9	15	6	-	-	-	-	-	186	-	207
Newsprint (1 000 t)	8	-	-	5	13	29	-	-	-	-	-	4	-	46
Japan														
Softwood lumber (1 000 m^3)	--	-	-	--	--	1	1	1	--	2	2	3 425	-	3 429
Wood pulp (1 000 t)	-	-	3	183	186	40	32	-	63	15	78	901	-	1 237
Newsprint (1 000 t)	18	-	7	80	105	10	1	-	-	--	--	16	-	131
Southeast Asia														
Softwood lumber (1 000 m^3)	-	-	-	-	-	--	-	--	-	-	--	--	-	1
Wood pulp (1 000 t)	-	-	-	-	-	-	-	-	-	-	-	112	-	112
Newsprint (1 000 t)	--	-	1	-	1	23	1	-	-	-	-	40	-	66
Australia														
Softwood lumber (1 000 m^3)	-	-	-	-	-	-	1	-	-	--	--	399	-	400
Wood pulp (1 000 t)	-	-	2	-	2	2	-	-	-	-	-	90	-	94
Newsprint (1 000 t)	20	-	-	-	20	5	--	-	-	-	-	90	-	115
Other countries														
Softwood lumber (1 000 m^3)	--	-	4	--	3	2	1	--	--	--	3	144	--	152
Wood pulp (1 000 t)	--	-	17	21	38	78	1	--	13	13	26	451	-	594
Newsprint (1 000 t)	15	-	--	10	24	52	1	--	--	--	--	98	-	173
World														
Softwood lumber (1 000 m^3)	--	-	98	853	951	4 328	4 508	380	92	1 506	1 979	28 753	1	40 521
Wood pulp (1 000 t)	--	-	353	1 044	1 397	863	1 107	16	244	486	745	4 352	-	8 465
Newsprint (1 000 t)	406	-	357	537	1 300	3 634	2 174	66	--	--	67	1 392	-	8 566

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 15B. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1989

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
United States														
Softwood lumber (1 000 m^3)	--	-	4	623	627	4 047	3 402	578	116	1 740	2 435	20 516	--	31 027
Wood pulp (1 000 t)	--	-	162	477	639	423	1 046	6	114	459	579	980	-	3 668
Newsprint (1 000 t)	53	--	272	271	596	3 022	2 064	93	-	-	93	1 113	-	6 888
Central America														
Softwood lumber (1 000 m^3)	-	-	--	26	27	5	8	-	-	--	--	103	-	144
Wood pulp (1 000 t)	-	-	-	2	2	2	-	--	-	4	5	30	-	39
Newsprint (1 000 t)	61	-	-	17	78	10	--	-	-	-	-	19	-	107
South America														
Softwood lumber (1 000 m^3)	-	-	-	--	--	-	-	-	-	-	-	1	-	1
Wood pulp (1 000 t)	-	-	-	--	--	13	-	-	-	1	1	52	-	66
Newsprint (1 000 t)	56	-	22	16	94	50	-	-	-	-	-	15	-	158
Middle East and North Africa														
Softwood lumber (1 000 m^3)	-	10	-	-	10	54	29	-	-	--	--	611	-	703
Wood pulp (1 000 t)	-	-	8	2	10	3	-	-	-	-	-	1	-	14
Newsprint (1 000 t)	7	-	19	3	28	15	--	-	-	-	-	1	-	45
United Kingdom														
Softwood lumber (1 000 m^3)	--	-	108	295	403	391	40	--	-	13	13	1 880	-	2 727
Wood pulp (1 000 t)	-	-	31	121	151	64	10	-	-	1	1	142	-	368
Newsprint (1 000 t)	73	-	--	17	91	141	-	-	-	-	-	80	-	312
Other EEC countries														
Softwood lumber (1 000 m^3)	-	-	9	14	23	110	2	1	-	5	6	712	-	853
Wood pulp (1 000 t)	-	-	44	161	204	262	13	-	3	2	6	1 401	-	1 883
Newsprint (1 000 t)	75	-	7	7	89	111	--	-	-	-	-	4	-	204
Scandinavia														
Softwood lumber (1 000 m^3)	-	-	-	-	-	--	-	-	-	-	-	--	-	--
Wood pulp (1 000 t)	-	-	18	-	18	10	-	-	-	-	-	1	-	29
Newsprint (1 000 t)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

III - 158. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1989 (concluded)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
China, People's Rep.														
Softwood lumber (1 000 m^3)	-	-	-	-	-	-	-	-	-	--	--	52	-	52
Wood pulp (1 000 t)	-	-	5	1	6	2	--	-	-	2	2	112	-	123
Newsprint (1 000 t)	6	-	-	6	12	7	--	-	-	-	-	14	-	34
Japan														
Softwood lumber	--	-	-	--	--	3	1	--	--	11	11	3 937	-	3 952
Wood pulp (1 000 t)	-	-	2	170	172	28	3	-	59	22	81	994	-	1 279
Newsprint (1 000 t)	22	-	1	16	39	1	1	-	-	-	-	23	-	64
Southeast Asia														
Softwood lumber (1 000 m^3)	-	-	-	-	-	--	-	-	-	-	-	--	-	--
Wood pulp (1 000 t)	-	-	--	-	--	2	-	-	-	--	--	113	-	116
Newsprint (1 000 t)	1	-	-	1	2	28	1	-	-	-	-	41	-	71
Australia														
Softwood lumber (1 000 m^3)	-	-	-	--	--	--	2	-	-	3	3	377	-	382
Wood pulp (1 000 t)	-	-	2	1	3	3	-	-	-	--	--	88	-	94
Newsprint (1 000 t)	16	-	-	-	16	21	-	-	-	-	-	122	-	160
Other countries														
Softwood lumber (1 000 m^3)	--	--	6	1	6	22	2	--	--	1	1	141	--	172
Wood pulp (1 000 t)	--	-	2	36	40	95	3	--	7	18	23	402	-	562
Newsprint (1 000 t)	3	--	2	7	12	16	3	--	-	-	--	112	-	142
World														
Softwood lumber (1 000 m^3)	--	10	127	959	1 096	4 632	3 486	579	116	1 773	2 469	28 330	--	40 013
Wood pulp (1 000 t)	--	-	274	971	1 245	907	1 075	6	183	509	698	4 316	-	8 241
Newsprint (1 000 t)	373	--	323	361	1 057	3 422	2 069	93	-	-	93	1 544	-	8 185

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

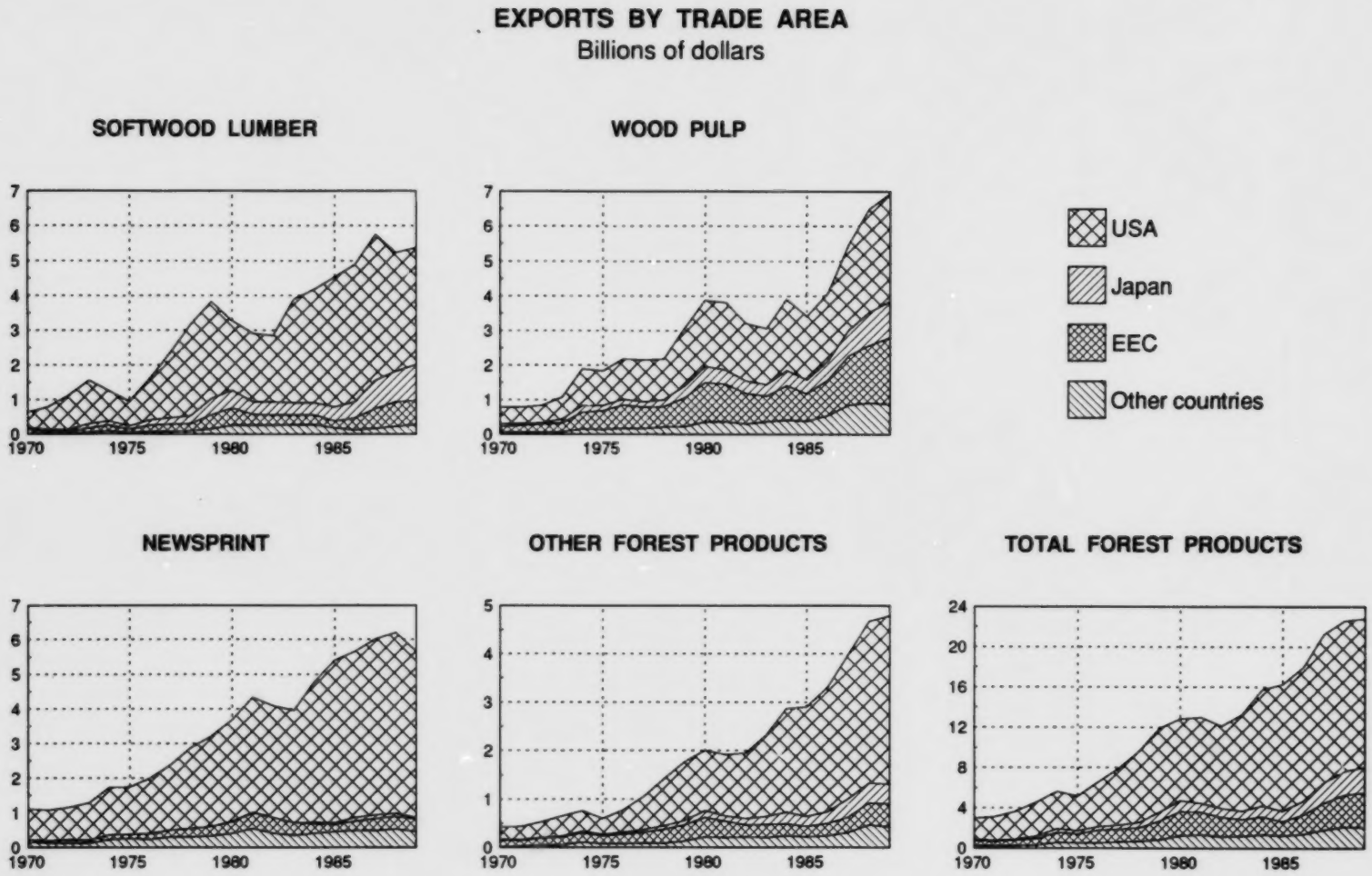

Figure 20. Exports of Canadian forest products by commodity group and principal trade area, 1970-1989.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

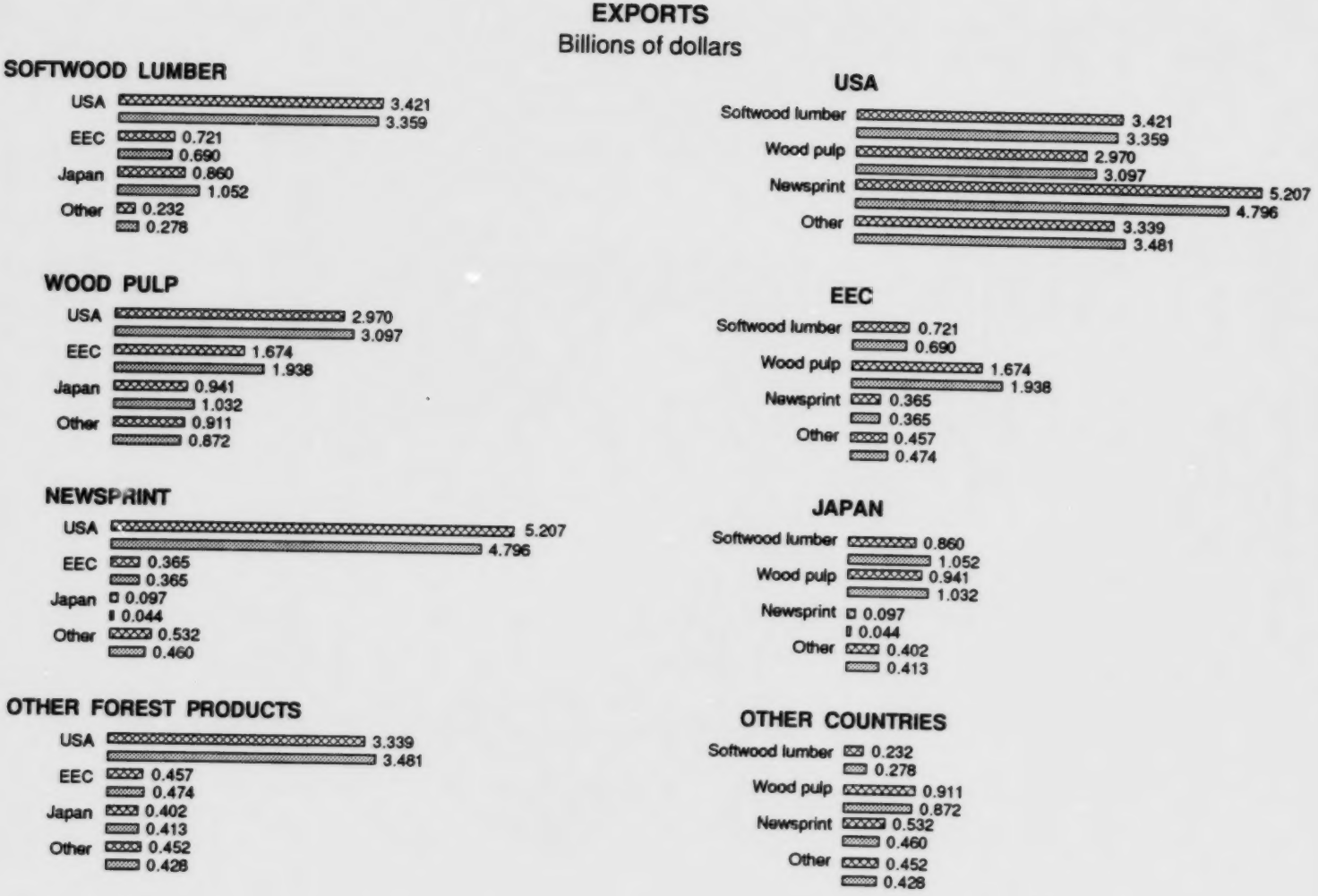

Figure 21. Exports of Canadian forest products by commodity group and principal trade area, 1988-1989.

1988 1989

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 16A. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b], 1988

Trade area	Primary wood products		Wood-fabricated materials		Wood pulp	Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total		Newsprint	Total	
					$000			
United States	42 343	172 527	3 421 165	4 507 339	2 970 381	5 206 759	7 286 292	14 936 540
Central America	13	1 436	16 010	20 775	38 817	92 979	178 474	239 503
Mexico	-	5	145	294	36 259	6 636	9 278	45 835
South America	-	-	474	940	52 886	147 775	185 662	239 488
Brazil	-	-	-	78	7 903	39 213	42 845	50 825
Chile	-	-	44	283	-	-	305	588
Venezuela	-	-	95	175	39 516	64 882	87 006	126 697
Africa	-	90	39 180	45 175	1 862	7 761	26 385	73 513
Algeria	-	-	38 725	38 725	-	-	1 230	39 955
Morocco	-	-	91	103	-	772	2 437	2 540
Middle East - Africa	-	84	153	349	-	6 414	10 172	10 605
Europe	-	13 232	729 849	981 804	1 785 449	364 909	585 588	3 366 073
Western Europe	-	12 935	729 849	981 276	1 780 570	364 637	585 568	3 358 349
Economic Community	-	10 415	721 208	958 588	1 673 900	364 557	574 461	3 217 364
Belgium-Luxembourg	-	112	64 786	81 425	143 827	7 787	60 527	285 891
Denmark	-	-	163	5 022	1 976	-	209	7 207
France	-	3 673	55 246	78 032	199 670	28 989	37 051	318 426
Germany, Fed. Rep.	-	866	51 353	87 091	532 959	86 063	105 847	726 763
Greece	-	26	303	2 099	11 861	2	3 925	17 910
Ireland	-	13	12 072	17 344	11 746	2 690	5 238	34 342
Italy	-	4 526	31 474	44 584	338 871	3 201	9 636	397 618
Netherlands	-	34	11 150	26 766	114 064	18 629	21 725	162 589
Portugal	-	183	-	278	947	655	771	2 179
Spain	-	46	5 292	7 847	35 374	5 650	6 341	49 608
United Kingdom	-	936	489 369	608 100	282 606	210 890	323 190	1 214 831
Scandinavia	-	1 935	120	12 288	16 738	-	4 258	35 219
Finland	-	17	15	2 902	9 244	-	4 118	16 281
Norway	-	26	24	1 494	-	-	6	1 526
Sweden	-	1 892	80	7 892	7 495	-	133	17 412
Other Western Europe	-	584	8 521	10 400	89 931	80	4 850	105 765
Eastern Europe	-	297	-	529	4 879	272	2 020	7 725
USSR	-	-	-	658	26 118	-	148	26 923
Asia	52 116	311 278	916 900	989 955	1 545 966	300 212	549 013	3 396 212
China, People's Rep.	-	16 634	25 787	25 948	165 437	31 913	63 678	271 697
Hong Kong	-	683	4 144	7 910	38 377	25 477	44 988	91 957
India	-	121	128	204	45 459	56 100	59 376	105 161
Japan	52 116	277 099	859 769	903 235	941 444	96 506	177 924	2 299 701
Korea, Rep. of (South)	-	13 191	5 062	11 588	138 519	35	13 392	176 690
Middle East - Asia	-	1 965	12 477	15 001	21 531	7 268	31 326	69 823
Southeast Asia	-	365	135	2 102	91 598	48 084	112 572	206 638
Taiwan	-	1 092	8 983	23 380	94 739	28 103	36 242	155 452
Oceania	-	513	109 709	114 412	74 311	80 695	111 892	301 128
Australia	-	146	102 074	105 851	74 197	74 357	98 983	279 179
New Zealand	-	10	7 309	8 104	66	5 240	11 152	19 332
World	94 472	499 088	5 233 564	6 662 591	6 495 791	6 201 090	8 923 858	22 581 328

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 168. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b], 1989

Trade area	Primary wood products		Wood-fabricated materials		Wood pulp	Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total		Newsprint	Total	
					$000			
United States	37 847	150 909	3 358 941	4 484 522	3 097 426	4 795 778	7 000 435	14 733 293
Central America	-	539	18 973	23 964	28 476	70 574	158 646	211 625
Mexico	-	-	37	399	23 485	6 618	13 639	37 523
South America	-	-	205	632	55 851	103 759	138 482	194 965
Brazil	-	-	147	263	18 041	36 378	41 742	60 047
Chile	-	-	2	186	20	46	1 122	1 328
Venezuela	-	-	-	45	32 676	27 360	39 103	71 824
Africa	-	-	93 095	96 164	6 044	22 012	42 522	144 730
Algeria	-	-	88 352	88 352	450	3 719	6 071	94 873
Morocco	-	-	760	761	-	3 775	5 069	5 830
Middle East - Africa	-	-	332	519	945	14 341	19 086	20 551
Europe	11	9 843	694 605	892 420	2 072 776	365 415	651 483	3 626 523
Western Europe	11	9 673	694 222	891 216	2 063 918	364 877	649 816	3 614 622
Economic Community	11	9 161	690 468	873 454	1 938 122	364 872	646 583	3 467 320
Belgium-Luxembourg	-	135	53 042	64 485	209 146	3 058	50 390	324 155
Denmark	-	54	634	2 179	-	-	300	2 533
France	-	1 896	45 930	59 212	225 227	29 787	47 929	334 264
Germany, Fed. Rep.	11	561	41 681	69 082	622 625	69 686	100 215	792 482
Greece	-	27	421	2 553	17 392	44	2 166	22 139
Ireland	-	-	16 449	21 239	15 087	7 853	10 503	46 829
Italy	-	5 511	40 801	51 294	407 410	17 348	27 838	492 053
Netherlands	-	145	11 649	20 056	116 545	19 360	27 435	164 181
Portugal	-	5	-	280	759	1 779	6 854	7 899
Spain	-	236	8 647	10 708	35 713	6 259	12 006	58 663
United Kingdom	-	591	471 214	572 365	288 220	209 698	360 947	1 222 123
Scandinavia	-	97	57	12 034	25 806	-	1 141	39 080
Finland	-	97	-	3 470	7 974	-	716	12 257
Norway	-	-	17	1 581	-	-	313	1 894
Sweden	-	-	40	6 983	17 833	-	112	24 929
Other Western Europe	-	414	3 697	5 728	99 989	5	2 091	108 223
Eastern Europe	-	171	383	1 204	8 859	539	1 667	11 900
USSR	-	61	-	32	29 368	-	132	29 593
Asia	126 854	281 282	1 108 808	1 180 280	1 570 464	196 492	473 339	3 505 365
China, People's Rep.	-	4 921	6 867	7 412	105 407	18 611	29 018	146 758
Hong Kong	-	715	1 647	5 097	12 639	32 879	47 516	65 967
India	-	47	43	196	49 032	7 133	11 163	60 438
Japan	126 851	262 366	1 051 666	1 093 268	1 032 189	43 663	153 143	2 540 966
Korea, Rep. of (South)	3	8 500	14 614	21 992	172 573	8 890	39 790	242 854
Middle East - Asia	-	3 013	22 070	25 705	10 222	5 863	41 437	80 377
Southeast Asia	-	632	133	2 556	99 067	41 397	101 485	203 740
Taiwan	-	1 031	11 566	23 682	88 603	38 057	44 673	157 989
Oceania	-	35	104 048	110 443	78 864	111 458	140 411	329 754
Australia	-	35	95 935	100 401	78 784	107 461	128 741	307 960
New Zealand	-	-	7 788	9 431	81	3 589	9 899	19 410
World	164 711	442 690	5 378 994	6 789 735	6 939 269	5 665 489	8 607 107	22 778 800

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 17A. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b], 1988

Trade area	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**1 174 862**	**1 057 904**	**31 998 281**	**30 301 170**	**1 501 115**	**3 929 405**	**7 171 603**	**9 257 433**
Central America	**4 838**	**113**	**135 182**	**106 283**	**242**	**57 041**	**144 364**	**269 664**
Mexico	-	-	1 638	1 644	18	52 886	8 517	11 146
South America	**-**	**-**	**1 986**	**-**	**87**	**67 487**	**214 006**	**265 576**
Brazil	-	-	-	-	67	9 703	51 050	55 167
Chile	-	-	141	-	-	-	-	78
Venezuela	-	-	498	-	-	50 241	96 437	125 823
Africa	**5 000**	**-**	**256 952**	**7 017**	**-**	**2 300**	**12 245**	**34 026**
Algeria	-	-	253 185	-	-	-	-	1 995
Morocco	-	-	636	-	-	-	903	1 859
Middle East - Africa	5 000	-	1 881	-	-	-	10 416	14 504
Europe	**274 514**	**-**	**3 870 391**	**429 562**	**79 056**	**2 262 949**	**482 504**	**791 430**
Western Europe	271 065	-	3 870 391	429 562	79 056	2 257 193	482 070	788 914
Economic Community	193 005	-	3 832 940	401 209	78 055	2 121 069	482 006	774 701
Belgium-Luxembourg	487	-	265 700	20 278	2 303	170 490	7 816	108 895
Denmark	-	-	817	-	-	2 514	-	212
France	58 464	-	286 093	63 770	817	247 521	31 297	38 070
Germany, Fed. Rep.	3 559	-	119 426	179 437	1 491	671 203	122 931	144 383
Greece	217	-	1 138	-	2 217	14 114	3	3 096
Ireland	-	-	73 436	-	527	13 676	3 402	5 760
Italy	118 237	-	86 333	14 033	156	424 789	3 194	11 487
Netherlands	-	-	48 409	13 231	42 795	140 400	20 633	24 812
Portugal	80	-	-	-	-	1 117	927	1 027
Spain	351	-	16 190	-	623	46 786	7 208	7 272
United Kingdom	11 610	-	2 935 398	110 460	27 126	388 461	284 595	429 687
Scandinavia	72 458	-	623	-	549	21 667	-	8 108
Finland	-	-	82	-	29	11 538	-	8 108
Norway	-	-	192	-	-	-	-	-
Sweden	72 458	-	349	-	520	10 130	-	-
Other Western Europe	5 602	-	36 828	28 353	452	114 457	64	6 105
Eastern Europe	3 449	-	-	-	-	5 755	434	2 516
USSR	**-**	**-**	**-**	**-**	**-**	**29 057**	**-**	**26**
Asia	**2 532 173**	**604 059**	**3 839 956**	**60 771**	**5 351**	**2 022 404**	**417 906**	**767 795**
China, People's Rep.	312 260	-	199 338	-	-	207 141	46 317	101 514
Hong Kong	1 264	-	33 590	-	731	47 943	33 854	56 295
India	1 241	-	990	-	54	70 544	84 068	87 784
Japan	1 950 452	604 059	3 429 196	42 791	5 355	1 237 381	131 013	245 615
Korea, Rep. (South)	212 341	-	14 769	15 493	365	178 063	96	17 853
Middle East - Asia	48 543	-	117 381	-	116	24 952	11 753	44 144
Southeast Asia	1 875	-	699	2 487	326	112 217	65 613	153 712
Taiwan	3 428	-	43 269	-	204	133 260	36 793	47 946
Oceania	**7 227**	**-**	**415 690**	**98 973**	**4 670**	**94 166**	**123 745**	**144 945**
Australia	692	-	400 375	58 803	4 533	93 957	114 738	134 658
New Zealand	77	-	13 013	30 512	137	87	7 493	8 217
World	**3 998 614**	**1 662 076**	**40 520 661**	**31 008 003**	**1 591 807**	**8 464 809**	**8 566 373**	**11 530 922**

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 17B. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b], 1989

Trade area	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**995 036**	**822 561**	**31 026 974**	**32 183 967**	**10 411 333**	**3 667 813**	**6 888 036**	**9 029 718**
Central America	-	-	**143 694**	**44 442**	**21 294**	**38 922**	**106 641**	**220 581**
Mexico	-	-	113	2 007	4	31 758	7 884	12 025
South America	-	-	**1 131**	-	**58**	**66 139**	**158 417**	**207 657**
Brazil	-	-	916	-	56	19 934	55 278	62 000
Chile	-	-	10	-	-	45	60	751
Venezuela	-	-	-	-	-	40 267	43 675	58 146
Africa	-	-	**562 223**	**2 137**	**420**	**7 290**	**35 155**	**57 834**
Algeria	-	-	527 570	-	-	651	6 177	10 163
Morocco	-	-	10 084	-	-	-	5 713	6 627
Middle East - Africa	-	-	2 047	-	420	981	23 022	27 906
Europe	**148 176**	**261**	**3 592 691**	**445 614**	**613 754**	**2 404 151**	**517 429**	**926 709**
Western Europe	147 461	261	3 590 501	445 614	613 754	2 394 388	516 628	924 858
Economic Community	146 855	261	3 579 921	427 766	556 866	2 251 408	516 623	921 528
Belgium-Luxembourg	161	-	206 186	27 849	377	235 317	3 184	102 271
Denmark	-	-	2 836	-	-	-	-	318
France	7 744	-	258 325	89 606	9 053	253 722	32 791	52 383
Germany, Fed. Rep.	3 378	261	91 385	176 704	87 144	714 660	97 507	142 947
Greece	63	-	1 281	-	-	21 052	68	220
Ireland	-	-	93 846	-	17 116	16 278	9 336	12 287
Italy	128 499	-	100 106	9 426	122	468 489	25 256	35 425
Netherlands	1 086	-	58 513	22 529	117	131 728	24 977	34 892
Portugal	-	-	-	-	10	794	2 371	8 953
Spain	426	-	40 593	-	633	41 467	9 013	16 497
United Kingdom	5 498	-	2 726 850	101 652	442 294	367 902	312 120	515 335
Scandinavia	314	-	336	-	56 540	29 272	-	914
Finland	314	-	-	-	274	8 850	-	795
Norway	-	-	100	-	40	-	-	119
Swedan	-	-	236	-	56 226	20 422	-	0
Other Western Europe	292	-	10 244	17 848	348	113 708	5	2 416
Eastern Europe	715	-	2 190	-	-	9 763	801	1 851
USSR	**145**	-	-	-	-	**29 953**	-	1
Asia	**1 454 196**	**1 068 667**	**4 282 984**	**62 080**	**44 889**	**1 932 991**	**312 102**	**681 229**
China, People's Rep.	84 461	-	51 965	-	2 165	122 512	34 254	52 825
Hong Kong	-	-	15 775	-	1 074	14 395	49 608	63 142
India	77	-	290	-	-	71 669	11 055	16 110
Japan	1 167 433	1 068 651	3 952 169	59 471	27 181	1 278 809	64 366	223 085
Korea, Rep. (South)	136 672	16	41 557	16 915	411	203 680	14 208	52 277
Middle East - Asia	58 837	-	163 344	929	13 677	11 880	9 708	57 120
Southeast Asia	3 356	-	477	3 427	45	115 528	71 443	145 048
Taiwan	3 260	-	56 492	1 338	336	113 652	57 460	64 898
Oceania	**52**	-	**400 656**	**206 120**	**6 747**	**93 967**	**167 201**	**177 665**
Australia	52	-	381 938	65 149	6 391	93 874	159 947	167 845
New Zealand	-	-	17 269	115 255	356	93	6 650	7 732
World	**2 597 605**	**1 891 489**	**40 012 698**	**32 968 221**	**11 116 027**	**8 241 226**	**8 184 981**	**11 302 075**

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 18A. Imports of Forest Products (Value) by Major Commodity Group and Trade Area*, 1988

Trade area	Primary wood products		Wood-fabricated materials			Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
				$000				
United States	8 481	229 317	191 659	831 644	141 067	3 351	1 393 552	2 595 581
Central America	-	103	8	1 442	-	-	4 431	5 976
Mexico	-	76	8	547	-	-	4 353	4 976
South America	-	74	1 183	17 219	7 047	-	22 219	46 559
Brazil	-	73	1 079	15 102	7 047	-	21 281	43 503
Chile	-	-	103	660	-	-	-	660
Venezuela	-	-	-	-	-	-	-	-
Africa	-	29	-	1 128	4 677	-	206	6 039
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	21	-	-	-	21
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	-	1 398	101	33 378	12 288	84	335 029	382 093
Western Europe	-	1 398	101	32 449	12 288	84	334 774	380 909
Economic Community	-	534	81	26 818	1 965	-	226 804	256 122
Belgium-Luxembourg	-	-	-	321	-	-	5 774	6 095
Denmark	-	-	-	2 965	-	-	3 539	6 504
France	-	15	-	1 276	-	-	49 265	50 555
Germany, Fed. Rep.	-	67	78	4 452	104	-	63 656	68 278
Greece	-	-	-	2	-	-	50	52
Ireland	-	-	-	39	-	-	5	44
Italy	-	29	-	7 116	-	-	11 462	18 608
Netherlands	-	137	-	778	-	-	21 138	22 054
Portugal	-	124	-	6 525	1 861	-	201	8 710
Spain	-	-	-	1 117	-	-	5 206	6 323
United Kingdom	-	163	3	2 227	-	-	66 509	68 898
Scandinavia	-	863	21	4 458	10 268	84	90 353	105 943
Finland	-	863	-	2 365	4 087	84	67 504	74 819
Norway	-	-	-	177	-	-	761	938
Sweden	-	--	21	1 916	6 181	-	22 088	30 186
Other Western Europe	-	-	-	1 172	56	-	17 617	18 845
Eastern Europe	-	-	-	929	-	-	255	1 184
USSR	-	1	-	3 377	-	-	74	3 453
Asia	-	557	273	120 763	-	-	60 820	182 139
China, People's Rep.	-	28	25	2 679	-	-	3 120	5 826
Hong Kong	-	29	-	1 488	-	-	3 994	5 511
India	-	22	-	2 416	-	-	82	2 520
Japan	-	-	-	1 178	-	-	35 742	36 920
Korea, Rep. of (South)	-	-	-	1 401	-	-	7 340	8 740
Middle East - Asia	-	-	-	47	-	-	91	138
Southeast Asia	-	94	207	71 123	-	-	811	72 028
Taiwan	-	49	41	39 700	-	-	9 641	49 390
Oceania	-	7	12	579	-	-	1 042	1 629
Australia	-	7	-	239	-	-	191	437
New Zealand	-	-	12	330	-	-	822	1 152
World	8 481	231 487	193 868	1 010 582	165 119	3 514	1 818 143	3 225 330

*See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 18B. Imports of Forest Products (Value) by Major Commodity Group and Trade Area[a], 1989

Trade area	Primary wood products		Wood-fabricated materials			Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
				$000				
United States	7 966	227 724	219 640	886 768	166 276	5 841	1 516 397	2 797 165
Central America	-	103	64	973	-	-	5 532	6 608
Mexico	-	63	-	566	-	-	5 431	6 060
South America	-	359	724	20 234	6 698	-	18 459	45 751
Brazil	-	348	209	17 025	6 698	-	14 932	39 003
Chile	-	-	515	1 186	-	-	5	1 191
Venezuela	-	-	-	-	-	-	-	-
Africa	-	-	-	970	-	-	15	985
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	1	-	-	-	1
Middle East - Africa	-	-	-	1	-	-	1	1
Europe	16	1 397	159	36 355	759	127	319 340	357 851
Western Europe	16	1 397	159	35 616	759	127	318 779	356 552
Economic Community	16	822	73	30 741	74	127	216 006	247 642
Belgium-Luxembourg	-	-	-	259	-	-	5 398	5 657
Denmark	-	-	-	2 206	-	-	2 941	5 147
France	-	2	22	1 773	3	-	47 330	49 108
Germany, Fed. Rep.	16	21	51	5 213	71	-	62 421	67 726
Greece	-	1	-	7	-	-	3	10
Ireland	-	-	-	46	-	-	11	56
Italy	-	126	-	8 975	-	-	14 844	23 945
Netherlands	-	164	-	215	-	127	17 430	17 809
Portugal	-	381	-	7 664	-	-	164	8 209
Spain	-	-	-	1 105	-	-	3 428	4 533
United Kingdom	-	127	-	3 278	-	-	62 038	65 443
Scandinavia	-	575	54	3 372	686	-	87 763	92 395
Finland	-	575	-	1 534	622	-	69 690	72 420
Norway	-	-	-	65	-	-	1 321	1 386
Sweden	-	-	54	1 773	64	-	16 752	18 589
Other Western Europe	-	-	32	1 504	-	-	15 010	16 514
Eastern Europe	-	-	-	739	-	-	561	1 299
USSR	-	5	-	414	-	-	40	458
Asia	7	288	98	108 777	37	-	75 124	184 226
China, People's Rep.	-	35	-	3 635	-	-	4 818	8 488
Hong Kong	-	10	-	1 491	-	-	4 099	5 600
India	-	29	-	2 418	-	-	76	2 523
Japan	-	-	3	1 014	-	-	43 077	44 090
Korea, Rep. of (South)	-	-	-	1 994	-	-	13 010	15 004
Middle East - Asia	-	--	-	75	-	-	19	94
Southeast Asia	-	108	62	59 463	-	-	1 276	60 847
Taiwan	7	61	32	37 961	37	-	8 748	46 806
Oceania	-	-	17	660	199	-	1 264	2 122
Australia	-	-	1	325	-	-	475	800
New Zealand	-	-	16	325	199	-	789	1 313
World	7 990	229 878	220 873	1 055 692	174 032	5 995	1 937 002	3 396 603

[a]See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 19A. Imports of Forest Products (Quantity) by Major Commodity Group and Trade Area[a], 1988

Trade area	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**4 126 609**	**194 783**	**850 197**	-	**536 393**	**159 954**	**4 453**	**733 419**
Central America	30	-	21	-	929	-	-	3 740
Mexico	-	-	21	-	929	-	-	3 740
South America	240	-	2 391	-	72	8 048	-	9 043
Brazil	240	-	2 078	-	72	8 048	-	9 043
Chile	-	-	314	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
Africa	11	-	-	-	-	4 264	-	148
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	242	-	283	-	47 358	12 958	90	187 542
Western Europe	242	-	283	-	47 358	12 958	90	187 486
Economic Community	242	-	251	-	23 348	2 124	-	101 966
Belgium-Luxembourg	-	-	-	-	-	-	-	1 990
Denmark	-	-	-	-	4 315	-	-	497
France	-	-	-	-	-	-	-	31 308
Germany, Fed. Rep.	138	-	241	-	79	94	-	27 278
Greece	-	-	-	-	-	-	-	52
Ireland	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	4 515
Netherlands	104	-	-	-	16	-	-	12 127
Portugal	-	-	-	-	18 937	2 030	-	68
Spain	-	-	-	-	-	-	-	2 991
United Kingdom	-	-	10	-	-	-	-	21 141
Scandinavia	-	-	32	-	24 007	10 764	90	72 895
Finland	-	-	-	-	-	4 725	90	60 748
Norway	-	-	-	-	75	-	-	261
Sweden	-	-	32	-	23 932	6 039	-	11 886
Other Western Europe	-	-	-	-	3	70	-	12 625
Eastern Europe	-	-	-	-	-	-	-	56
USSR	3	-	-	-	-	-	-	22
Asia	192 692	-	817	-	98	-	-	17 626
China, People's Rep.	-	-	123	-	-	-	-	204
Hong Kong	183 900	-	-	-	-	-	-	34
India	16	-	-	-	-	-	-	7
Japan	-	-	-	-	-	-	-	12 241
Korea, Rep. of (South)	-	-	-	-	-	-	-	3 440
Middle East - Asia	-	-	-	-	-	-	-	-
Southeast Asia	8 037	-	612	-	68	-	-	-
Taiwan	-	-	81	-	30	-	-	1 699
Oceania	-	-	33	-	-	-	-	73
Australia	-	-	-	-	-	-	-	-
New Zealand	-	-	33	-	-	-	-	54
World	**4 319 852**	**194 783**	**856 579**	-	**584 850**	**185 231**	**4 662**	**951 996**

[a]See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 19B. Imports of Forest Products (Quantity) by Major Commodity Group and Trade Area[a], 1989

Trade area	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**4 499 403**	**145 880**	**1 031 803**	-	**506 377**	**175 744**	**8 525**	**752 484**
Central America	-	-	**300**	-	**1**	-	-	**3 805**
Mexico	-	-	-	-	1	-	-	3 795
South America	**2 711**	-	**2 870**	-	**37**	**7 565**	-	**7 229**
Brazil	2 558	-	761	-	37	7 565	-	7 154
Chile	-	-	1 909	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
Africa	-	-	-	-	**140**	-	-	**6**
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	**60**	**221**	**373**	-	**2 005**	**767**	**172**	**166 061**
Western Europe	60	221	373	-	2 005	767	172	165 889
Economic Community	60	221	222	-	1 517	31	172	86 952
Belgium-Luxembourg	-	-	-	-	-	-	-	1 631
Denmark	-	-	-	-	883	-	-	59
France	-	-	113	-	-	2	-	25 664
Germany, Fed. Rep.	-	221	109	-	523	29	-	25 095
Greece	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-
Italy	-	-	-	-	48	-	-	6 702
Netherlands	60	-	-	-	-	-	172	7 290
Portugal	-	-	-	-	59	-	-	43
Spain	-	-	-	-	-	-	-	1 767
United Kingdom	-	-	-	-	4	-	-	18 702
Scandinavia	-	-	105	-	488	736	-	70 538
Finland	-	-	-	-	23	659	-	62 487
Norway	-	-	-	-	115	-	-	540
Sweden	-	-	105	-	350	77	-	7 512
Other Western Europe	-	-	45	-	-	-	-	8 399
Eastern Europe	-	-	-	-	-	-	-	172
USSR	119	-	-	-	-	-	-	-
Asia	**450**	**166**	**347**	-	**830**	**11**	-	**17 022**
China, People's Rep.	-	-	-	-	113	-	-	233
Hong Kong	-	-	-	-	25	-	-	33
India	40	-	-	-	-	-	-	-
Japan	-	-	18	-	-	-	-	9 726
Korea, Rep. of (South)	-	-	-	-	-	-	-	6 242
Middle East - Asia	-	-	-	-	-	-	-	-
Southeast Asia	170	-	184	-	687	-	-	-
Taiwan	100	166	142	-	-	11	-	788
Oceania	-	-	**33**	-	-	**30**	-	**302**
Australia	-	-	6	-	-	-	-	254
New Zealand	-	-	27	-	-	30	-	48
World	**4 502 742**	**146 267**	**1 036 251**	-	**509 390**	**184 205**	**8 732**	**947 247**

[a]See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 20A. Balance of Trade of Forest Products (Value) by Major Commodity Group and Trade Area[a], 1988

Trade area	Primary wood products		Wood-fabricated materials		Wood pulp	Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total		Newsprint	Total	
					$000			
United States	**33 862**	**-56 532[b]**	**3 231 542**	**3 685 113**	**2 829 760**	**5 203 643**	**5 910 108**	**12 368 449**
Central America	**13**	**1 332**	**16 045**	**19 782**	**38 817**	**92 979**	**174 091**	**234 023**
Mexico	-	-72	137	-253	36 259	6 636	4 925	40 860
South America	**-**	**-74**	**-708**	**-16 279**	**45 839**	**147 775**	**163 444**	**192 930**
Brazil	-	-73	-1 079	-15 025	856	39 213	21 564	7 322
Chile	-	-	-60	-377	-	-	305	-72
Venezuela	-	-	95	175	39 516	64 882	87 006	126 697
Africa	**-**	**61**	**39 180**	**44 552**	**-2 814**	**7 761**	**26 179**	**67 979**
Algeria	-	-	38 725	38 725	-	-	1 230	39 955
Morocco	-	-	91	82	-	772	2 437	2 519
Middle East - Africa	-	84	153	349	-	6 414	10 172	10 605
Europe	**-**	**13 241**	**730 322**	**989 046**	**1 773 160**	**364 825**	**250 950**	**3 026 396**
Western Europe	-	12 944	730 322	989 446	1 768 282	364 553	249 185	3 019 855
Economic Community	-	11 287	721 702	969 588	1 671 935	364 557	348 045	3 000 855
Belgium-Luxembourg	-	203	64 786	84 657	143 827	7 787	54 761	283 448
Denmark	-	-	163	2 533	1 976	-	-3 326	1 184
France	-	4 395	55 305	83 758	199 670	28 989	-12 192	275 631
Germany, Fed. Rep.	-	1 247	51 321	90 969	532 856	86 063	42 341	667 414
Greece	-	26	303	2 843	11 861	2	3 875	18 605
Ireland	-	13	12 072	17 589	11 746	2 690	5 233	34 582
Italy	-	4 592	31 525	39 722	338 871	3 201	-1 758	381 426
Netherlands	-	-103	11 150	32 353	114 064	18 629	586	146 900
Portugal	-	59	-	-6 247	-914	655	571	-6 531
Spain	-	66	5 309	6 996	35 374	5 650	1 188	43 624
United Kingdom	-	791	489 767	614 412	282 606	210 890	256 766	1 154 574
Scandinavia	-	1 072	99	10 561	6 471	-84	-86 094	-67 990
Finland	-	-846	15	1 296	5 157	-84	-63 386	-57 779
Norway	-	26	24	1 503	-	-	-755	774
Sweden	-	1 892	59	7 763	1 314	-	-21 953	-10 985
Other Western Europe	-	584	8 521	9 298	89 876	80	-12 767	86 991
Eastern Europe	-	297	-	-400	4 879	272	1 765	6 541
USSR	**-**	**-1**	**-**	**-2 720**	**26 118**	**-**	**74**	**23 471**
Asia	**52 598**	**312 985**	**916 883**	**872 224**	**1 545 975**	**300 306**	**489 514**	**3 220 698**
China, People's Rep.	-	16 606	25 762	23 269	165 437	31 913	60 558	265 871
Hong Kong	-	658	4 144	6 478	38 377	25 477	40 997	86 510
India	-	99	128	-2 212	45 459	56 100	59 294	102 641
Japan	52 598	277 772	859 881	904 238	941 444	96 516	142 220	2 265 673
Korea, Rep. of (South)	-	14 554	5 208	10 542	138 519	35	6 096	169 712
Middle East - Asia	-	1 965	12 477	14 968	21 531	7 268	31 249	69 713
Southeast Asia	-	271	-73	-68 934	91 598	48 168	112 982	135 917
Taiwan	-	1 268	8 942	-15 981	94 748	28 103	26 601	106 636
Oceania	**-**	**505**	**109 767**	**113 931**	**74 311**	**80 695**	**111 146**	**299 893**
Australia	-	139	102 145	105 711	74 197	74 357	99 089	279 136
New Zealand	-	10	7 297	7 774	66	5 240	10 330	18 180
World	**86 473**	**271 530**	**5 042 678**	**5 706 131**	**6 331 127**	**6 197 906**	**7 125 143**	**19 433 931**

[a]See Section X.B, for details on groupings of trade areas used in this table.
[b]The - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 208. Balance of Trade of Forest Products (Value) by Major Commodity Group and Trade Area[a], 1989

Trade area	Primary wood products		Wood-fabricated materials		Wood pulp	Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total		Newsprint	Total	
					$000			
United States	30 152	-76 443[b]	3 140 638	3 606 127	2 931 609	4 789 937	5 499 697	11 960 990
Central America	-	436	19 037	23 310	28 476	70 574	153 160	205 382
Mexico	-	-83	37	-141	23 495	6 618	8 213	31 494
South America	-	-359	-518	-19 600	49 153	103 759	120 052	149 246
Brazil	-	-348	-62	-16 762	11 343	36 378	26 810	21 043
Chile	-	-	-513	-998	20	46	1 116	140
Venezuela	-	-	-	46	32 676	27 360	39 124	71 846
Africa	-	-	93 095	95 677	6 044	22 012	42 519	144 239
Algeria	-	-	88 352	88 352	450	3 719	6 071	94 873
Morocco	-	760	760	-	3 775	5 069	5 829	
Middle East - Africa	-	-	332	518	945	14 341	19 088	20 551
Europe	-5	10 499	695 250	925 035	2 072 017	365 291	332 630	3 340 181
Western Europe	-5	10 328	694 868	924 570	2 063 158	364 752	331 524	3 329 580
Economic Community	-5	10 382	691 171	905 665	1 938 049	364 747	430 965	3 285 061
Belgium-Luxembourg	-	213	53 042	71 675	209 146	3 058	45 002	326 036
Denmark	-	54	634	681	-	-	-2 641	-1 905
France	-	3 205	45 996	65 717	225 224	29 787	725	294 871
Germany, Fed. Rep.	-5	891	41 666	75 752	622 554	69 689	37 852	737 050
Greece	-	26	421	3 765	17 392	44	2 163	23 347
Ireland	-	-	16 449	21 809	15 087	7 853	10 492	47 388
Italy	-	5 625	40 882	48 979	407 410	17 348	13 010	475 024
Netherlands	-	-6	11 649	31 867	116 545	19 233	10 011	158 417
Portugal	-	-376	-	-7 239	759	1 779	6 690	-165
Spain	-	239	8 647	10 793	35 713	6 259	8 578	55 322
United Kingdom	-	511	471 785	581 867	288 220	209 698	299 081	1 169 678
Scandinavia	-	-477	31	14 601	25 121	-	-86 532	-47 287
Finland	-	-477	28	3 477	7 352	-	-68 973	-58 622
Norway	-	-	17	1 906	-	-	-919	988
Sweden	-	-	-14	9 218	17 769	-	-16 640	10 347
Other Western Europe	-	422	3 665	4 303	99 989	5	-12 908	91 806
Eastern Europe	-	171	383	465	8 859	539	1 106	10 601
USSR	-	57	-	-381	29 368	-	91	29 135
Asia	127 078	284 189	1 109 734	1 077 484	1 570 427	196 492	398 346	3 330 445
China, People's Rep.	-	4 887	6 867	3 777	105 407	18 611	24 200	138 270
Hong Kong	-	705	1 668	3 658	12 639	32 879	43 423	60 425
India	-	18	43	-2 222	49 032	7 133	11 087	57 915
Japan	127 083	264 686	1 052 128	1 097 022	1 032 189	43 663	110 152	2 504 048
Korea, Rep. of (South)	3	8 978	14 614	20 221	172 573	8 890	26 780	228 552
Middle East - Asia		-3 013	22 565	26 224	10 222	5 863	41 436	80 895
Southeast Asia	-	860	115	-56 791	99 067	41 397	100 226	143 362
Taiwan	-7	1 031	11 535	-14 052	88 566	38 057	35 930	111 475
Oceania	-	35	104 203	109 998	78 665	111 458	139 372	328 070
Australia	-	35	96 084	100 267	78 784	107 461	128 483	307 569
New Zealand	-	-	7 770	9 109	-118	3 589	9 117	18 107
World	157 225	218 433	5 161 587	5 818 387	6 765 695	5 659 496	6 686 694	19 489 207

[a]See Section X.B. for details on groupings of trade areas used in this table.
[b]The - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 21A. Balance of Trade of Forest Products (Quantity) by Major Commodity Group and Trade Area[a], 1988

Trade area	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**-2 951 747 [b]**	**863 121**	**31 161 007**	**30 315 132**	**976 270**	**3 770 085**	**7 167 435**	**8 530 630**
Central America	**4 808**	**113**	**135 198**	**106 283**	**-687**	**57 041**	**144 364**	**265 930**
Mexico	-	-	1 617	1 644	-911	52 886	8 517	7 407
South America	**-240**	**-**	**-405**	**-**	**15**	**59 439**	**214 006**	**256 533**
Brazil	-240	-	-2 078	-	-5	1 655	51 050	46 124
Chile	-	-	-173	-	-	-	-	78
Venezuela	-	-	498	-	-	50 241	96 437	125 823
Africa	**4 989**	**-**	**256 952**	**7 017**	**-**	**-1 964**	**12 245**	**33 879**
Algeria	-	-	253 185	-	-	-	-	1 995
Morocco	-	-	636	-	-	-	903	1 859
Middle East - Africa	5 000	-	1 881	-	-	-	10 416	14 504
Europe	**279 175**	**-**	**3 873 172**	**429 562**	**31 768**	**2 249 991**	**482 414**	**603 900**
Western Europe	275 726	-	3 873 172	429 562	31 768	2 244 235	481 980	601 439
Economic Community	197 666	-	3 835 753	401 209	54 751	2 118 945	482 006	672 746
Belgium-Luxembourg	717	-	265 700	20 278	2 303	170 490	7 816	106 905
Denmark	-	-	817	-	-4 315	2 514	-	-285
France	61 718	-	286 232	63 770	817	247 521	31 297	6 767
Germany, Fed. Rep.	4 854	-	119 223	179 437	1 412	671 109	122 931	117 106
Greece	217	-	1 138	-	2 217	14 114	3	3 044
Ireland	-	-	73 436	-	527	13 676	3 402	5 760
Italy	118 387	-	86 436	14 033	156	424 789	3 194	6 972
Netherlands	-104	-	48 409	13 231	42 794	140 400	20 633	12 685
Portugal	80	-	-	-	-18 937	-913	927	959
Spain	374	-	16 229	-	623	46 786	7 208	4 281
United Kingdom	11 664	-	2 938 133	110 460	27 155	388 461	284 595	408 552
Scandinavia	72 458	-	591	-	-23 432	10 904	-90	-64 787
Finland	-	-	82	-	29	6 813	-90	-52 640
Norway	-	-	192	-	-75	-	-	-261
Sweden	72 458	-	317	-	-23 386	4 091	-	-11 886
Other Western Europe	5 602	-	36 828	28 353	449	114 387	64	-6 520
Eastern Europe	3 449	-	-	-	-	5 755	434	2 461
USSR	**-13**	**-**	**-**	**-**	**-**	**29 057**	**-**	**4**
Asia	**2 155 210**	**608 343**	**3 839 992**	**60 771**	**5 253**	**2 022 420**	**418 069**	**750 476**
China, People's Rep.	312 260	-	199 215	-	-	207 141	46 317	101 310
Hong Kong	-182 636	-	33 590	-	731	47 943	33 854	56 261
India	1 225	-	990	-	54	70 544	84 068	87 777
Japan	1 951 994	608 343	3 429 637	42 791	3 555	1 237 381	131 032	233 395
Korea, Rep. of (South)	217 949	-	15 181	15 493	365	178 063	96	14 413
Middle East - Asia	48 543	-	117 381	-	116	24 952	11 753	44 146
Southeast Asia	-6 162	-	87	2 487	258	112 217	65 757	153 995
Taiwan	4 492	-	43 188	-	174	133 276	36 793	46 247
Oceania	**7 193**	**-**	**415 903**	**98 973**	**4 670**	**94 166**	**123 745**	**144 977**
Australia	675	-	400 621	58 803	4 533	93 957	114 738	134 760
New Zealand	77	-	12 980	30 512	137	87	7 493	8 163
World	**-307 674**	**1 471 577**	**39 681 205**	**31 021 965**	**1 018 575**	**8 280 228**	**8 562 159**	**10 585 972**

[a] See Section X.B, for details on groupings of trade areas used in this table.
[b] The - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 21B. Balance of Trade of Forest Products (Quantity) by Major Commodity Group and Trade Area[a], 1989

Trade area	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**-3 504 321 [b]**	**678 943**	**30 002 387**	**32 187 877**	**9 945 530**	**3 492 510**	**6 879 511**	**8 282 489**
Central America	-	-	**143 516**	**44 442**	**21 293**	**38 922**	**106 641**	**216 776**
Mexico	-	-	113	2 007	3	31 758	7 884	8 230
South America	**-2 711**	-	**-1 539**	-	**19**	**58 574**	**158 417**	**200 461**
Brazil	-2 558	-	155	-	19	12 368	55 278	54 846
Chile	-	-	-1 899	-	-	45	60	752
Venezuela	-	-	-	-	-	40 267	43 675	58 166
Africa	-	-	**562 223**	**2 137**	**280**	**7 290**	**35 155**	**57 828**
Algeria	-	-	527 570	-	-	651	6 177	10 163
Morocco	-	-	10 084	-	-	-	5 713	6 627
Middle East - Africa	-	-	2 047	-	420	981	23 022	27 906
Europe	**154 892**	**40**	**3 595 667**	**445 614**	**612 314**	**2 403 384**	**517 258**	**-760 817**
Western Europe	154 177	40	3 593 477	445 614	612 314	2 393 621	516 457	-759 138
Economic Community	153 553	40	3 583 015	427 766	555 408	2 251 377	516 452	834 745
Belgium-Luxembourg	353	-	206 186	27 849	377	235 317	3 184	100 640
Denmark	-	-	2 836	-	-883	-	-	259
France	12 088	-	258 312	89 606	9 053	253 720	32 791	26 764
Germany, Fed. Rep.	4 603	40	91 326	176 704	86 647	714 630	97 508	117 885
Greece	63	-	1 281	-	-	21 052	68	220
Ireland	-	-	93 846	-	17 116	16 278	9 336	12 287
Italy	129 202	-	100 446	9 426	74	468 489	25 256	28 724
Netherlands	1 080	-	58 513	22 529	117	131 728	24 805	27 603
Portugal	-	-	-	-	-49	794	2 371	8 910
Spain	462	-	40 593	-	633	41 467	9 013	14 730
United Kingdom	5 761	-	2 729 676	101 652	442 323	367 902	312 120	496 723
Scandinavia	314	-	264	-	56 558	28 536	-	-69 624
Finland	314	-	33	-	757	8 191	-	-61 692
Norway	-	-	100	-	-75	-	-	-421
Sweden	-	-	131	-	55 876	20 345	-	-7 512
Other Western Europe	310	-	10 199	17 848	348	113 708	5	-5 983
Eastern Europe	715	-	2 190	-	-	9 763	801	1 679
USSR	**26**	-	-	-	-	29 953	-	1
Asia	**1 460 917**	**1 070 697**	**4 285 615**	**82 080**	**44 088**	**1 932 980**	**312 102**	**664 212**
China, People's Rep.	84 461	-	51 965	-	2 052	122 512	34 254	52 592
Hong Kong	-	-	15 815	-	1 078	14 395	49 608	63 109
India	37	-	290	-	-	71 669	11 055	16 110
Japan	1 169 422	1 070 847	3 953 345	59 471	27 181	1 278 809	64 366	213 364
Korea, Rep. of (South)	141 480	16	41 557	16 915	411	203 680	14 208	46 035
Middle East - Asia	58 837	-	164 944	929	13 677	11 880	9 708	57 120
Southeast Asia	3 874	-	437	3 427	-642	115 528	71 443	145 048
Taiwan	3 196	-166	56 350	1 338	336	113 642	57 460	64 110
Oceania	**52**	-	**401 782**	**206 120**	**6 783**	**93 936**	**167 201**	**177 434**
Australia	52	-	383 044	65 149	6 427	93 874	159 947	167 657
New Zealand	-	-	17 242	115 255	356	62	6 650	7 690
World	**-1 890 635**	**1 749 680**	**38 991 271**	**32 972 131**	**10 647 841**	**8 057 462**	**8 176 250**	**10 360 301**

[a]See Section X.B, for details on groupings of trade areas used in this table.
[b]The - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

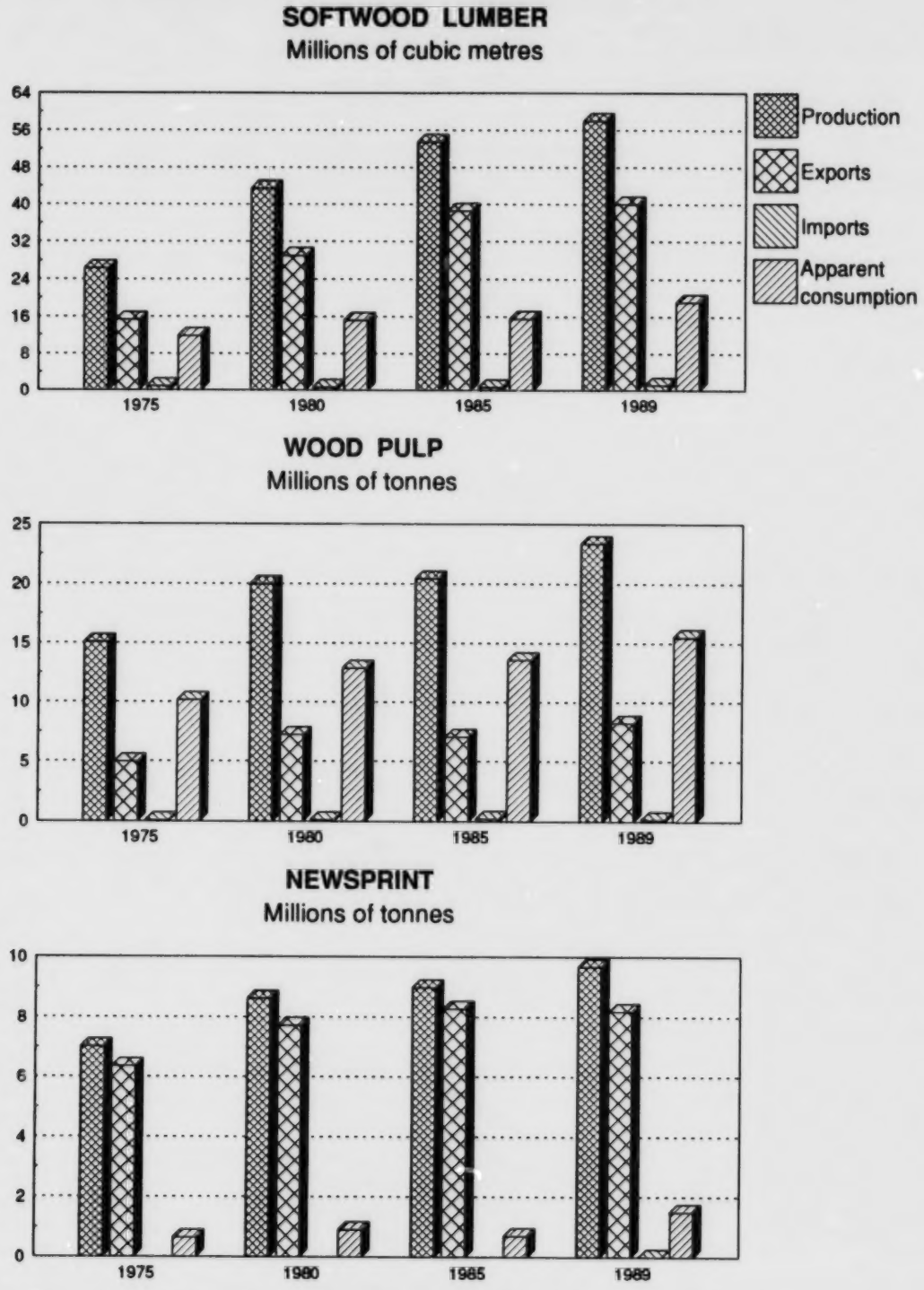

Figure 22. Production, trade and apparent domestic consumption of selected forest products, 1975-1989.

Source: Statistics Canada, Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203, and Canadian Pulp and Paper Association.

SECTION IV

PRINCIPAL STATISTICS

Attention **Attention** **Attention**

The **Census of Manufactures** is an annual survey of establishments primarily engaged in manufacturing, together with associated head offices, sales offices, and auxiliary units classified according to manufacturing industries. An establishment, usually a plant or a mill, is the smallest operating unit for which it is possible to provide a specified range of basic industrial statistics (essentially, employment data and the elements of input and output necessary to calculate value added).

In this section, 1970-1981 data have been compiled according to the **1970 version** of the Standard Industrial Classification (SIC), 1982-1987 data according to the **1980 version** and 1988 data are based on the Harmonized Commodity and Coding System (see Section III for more details) which came into effect in Canada on January 1, 1988.

Major Changes Affect 1987 and 1988 Surveys

Statistics Canada is redesigning its surveys of economic production. The Annual Survey of Manufactures is included within the ambit of this major initiative. The principal thrust of this redesign is to achieve greater consistency and comparability among the various economic surveys, which is being addressed principally by the development of a common survey frame minimizing omissions and duplications.

The objectives are to ensure that adequate attention is paid to larger establishments who are responsible for the major share of manufacturing activity and to decrease the burden on small companies by the use of short, simple questionnaires, by the use of sampling and the use of administrative records.

The design specifications of the new survey frame were implemented for the 1987 Annual Survey of Manufactures. This meant that not only were fewer long form questionnaires used for the 1987 survey than had been the norm for previous years, but the change in long form coverage for individual province-by-industry cells was often significant. The data yielded by long forms is much more complete than from other sources; thus the change in the mix of questionnaire types resulted in a one time break in the 1987 data when compared with previous years.

Principal Considerations: Logging Industry

The principal statistics for logging are on a comparable basis for 1987 and 1988. However, there is a break between the revised 1987 levels and the data previously published for 1986, due to a significant change in the methodology.

Traditionally, Statistics Canada was alerted to the existence of a new business when application was made to Revenue Canada for a payroll deduction (PD) account number. The issuance of a PD number resulted in the business being added to Statistics Canada's list and ultimately being surveyed by them.

This process was known to contain certain conceptual flaws. One of them, the existence of establishments with no employees, has a direct bearing on the logging industry.

Under the new methodology, the information is drawn from Revenue Canada's records. This information (some of it based on sampling), coupled with survey results for large establishments serves as the basis for the industry estimates. Revenue Canada's data are more complete and significantly reduce response burden. As a direct result to the improved ability to obtain data for small, unincorporated businesses, the number of establishments and the employment data changed considerably. Since the improvement came at the small end of the scale, there was less of an impact on shipments and costs.

The Wood Industries and the Paper and Allied Industries were not affected by these changes.

Data Availability 1987-1988

Reduction in the resources made available for processing the 1987 survey meant that only selected variables on the returned questionnaires were edited and published.

The more comprehensive array of principal statistics reappeared with the 1988 data.

Detailed definitions of all industries covered by this section can be found in the publication "Standard Industrial Classification, 1980," Catalogue 12-501.

The **headings** used in the principal statistics tables are **briefly described** in section X.A, "User's guide - Definition of terms." For detailed definitions and some qualifications to the preceding explanations, **see** "Concepts and Definitions of the Census of Manufactures," Catalogue 31-528.

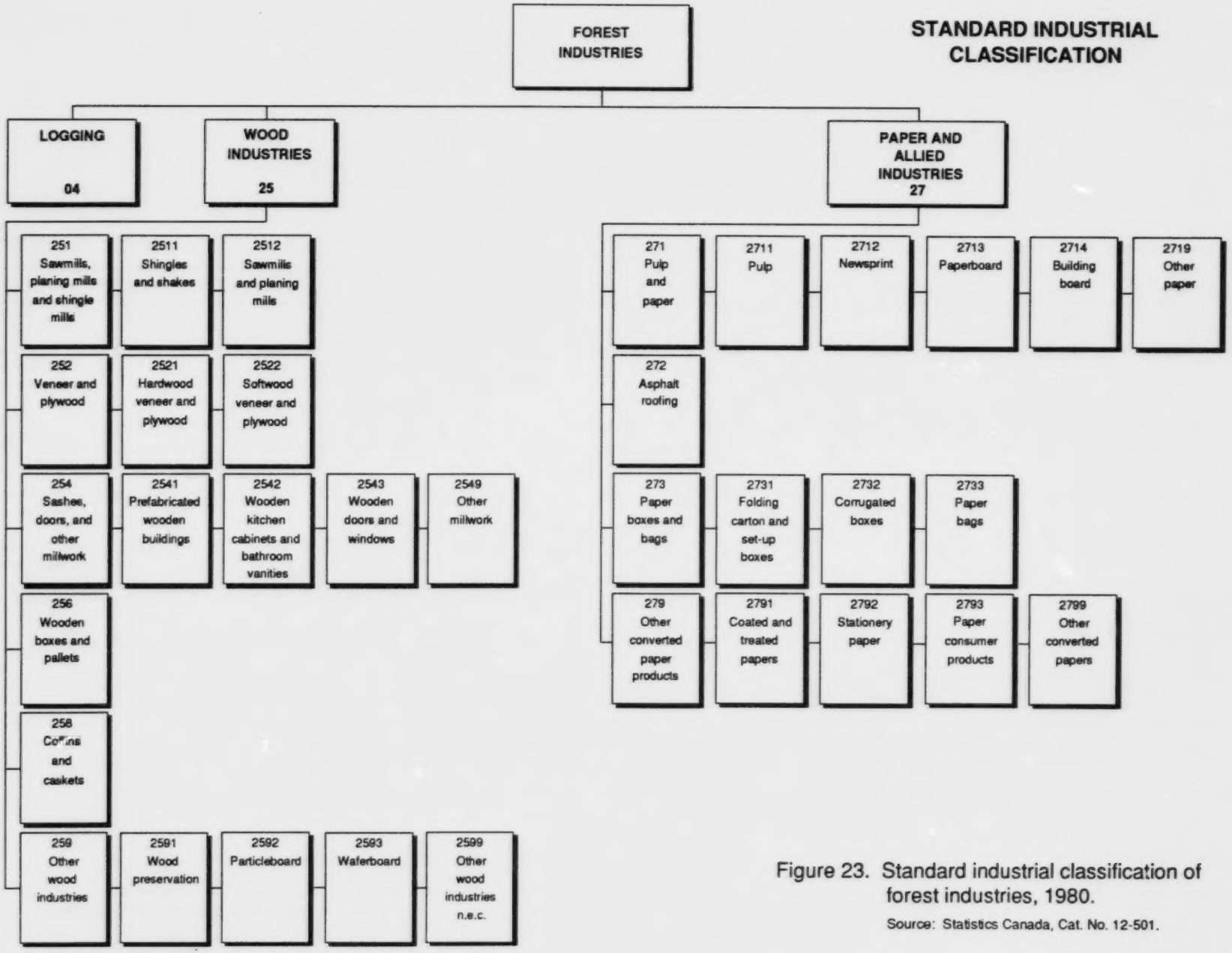

Figure 23. Standard industrial classification of forest industries, 1980.

Source: Statistics Canada, Cat. No. 12-501.

IV - 1A. Forest Industries by Sector, 1987r

Sector	Estab-lishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
Logging	10 950	43 249	68 148	1 330	284	4 008	7 538	3 286	48 381	1 532	3 340
Wood industries	3 424	..	..	..	374	8 300	14 583	..	121 655	3 304	6 548
Paper and allied industries	694	..	..	..	1 704	11 296	23 012	..	119 346	4 185	10 959
Total forest industries (A)	**15 068**	..	..	..	**2 362**	**23 604**	**45 133**	..	**289 382**	**9 021**	**20 847**
Total manufacturing industries	36 790	..	..	..	7 054	189 187	272 128	..	1 864 018	51 832	118 290
Logging and manufacturing industries (B)	**47 740**	..	..	..	**7 338**	**193 195**	**279 666**	..	**1 912 399**	**53 364**	**121 630**
Percentage A from B	31.6	..	..	..	32.2	12.2	16.1	..	15.1	16.9	17.1

[a]Excluding 8 580 working owners and partners in the forest sector.
[b]With the exception of "logging", the value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 1B. Forest Industries by Sector, 1988p

Sector	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
Logging	10 587	42 340	84 798	1 422	284	4 448	8 062	3 354	47 144	1 623	3 377
Wood industries	3 639	106 992	226 646	2 851	385	8 827	15 322	6 183	123 934	3 517	6 277
Paper and allied industries	718	90 976	193 551	3 184	1 757	11 471	25 661	12 534	121 075	4 479	12 485
Total forest industries	**14 944**	**240 308**	**504 995**	**7 457**	**2 426**	**24 746**	**49 045**	**22 071**	**292 153**	**9 619**	**22 139**

[a]Excluding 8580 working owners and partners in the forest sector.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 2A. Wood Industries, 1987r

Sector	S.I.C.[b]	Establishments	Manufacturing activity: Production and related workers: Number	Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Fuel and electricity ($000 000)	Materials and supplies ($000 000)	Value of shipments of goods[c] ($000 000)	Value added ($000 000)	Total activity: Total employees[a]: Number	Total employees[a]: Salaries and wages ($000 000)	Total value added ($000 000)
Sawmill, planing mill, and shingle mill products	**251**	**1 207**	..	..	..	**257**	**5 019**	**8 933**	..	**64 023**	**1 973**	**3 973**
Shingle and shake industry	2 511	114	..	..	..	5	140	219	..	2 043	53	86
Sawmills and planing mills	2 512	1 093	..	..	..	252	4 879	8 714	..	61 980	1 920	3 888
Veneer and plywood industry	**252**	**78**	..	..	..	**33**	**622**	..	..	**9 347**	**265**	**496**
Sash, door, and other millwork	**254**	**1 538**	..	..	..	**39**	**1 835**	..	..	**35 474**	**774**	**1 467**
Prefabricated wooden building industry	2 541	93	..	..	..	4	250	..	..	3 392	76	174
Wooden kitchen cabinet, bathroom vanity industry	2 542	699	..	..	..	10	354	..	..	10 125	219	401
Wooden door and window ind.	2 543	377	..	..	..	14	764	..	..	12 706	284	552
Other millwork industries	2 549	369	..	..	..	11	467	..	..	9 251	195	340
Wooden box and pallet industry	**256**	**207**	..	..	..	**5**	**143**	..	..	**3 508**	**62**	**109**
Coffin and casket industry	**258**	**25**	..	..	..	**1**	**19**	..	..	**708**	**15**	**24**
Other wood industries	**259**	**369**	..	..	..	**40**	**661**	..	..	**8 595**	**216**	**478**
Wood preservation	2 591	61	..	..	..	6	200	..	..	1 559	40	84
Particleboard	2 592	25	..	..	..	15	176	..	..	2 018	62	159
Waferboard	2 593	11	..	..	..	14	133	..	..	1 506	50	116
Other wood industries	2 599	272	..	..	..	6	152	..	..	3 512	64	119
Wood industries	**25**	**3 424**	..	..	..	**374**	**8 300**	**14 583**	..	**121 655**	**3 304**	**6 548**

[a]Excluding 625 working owners and partners.
[b]1980 Standard Industrial Classification.
[c]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 2B. Wood Industries, 1988p

Sector	S.I.C.[b]	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid 1 000	Manufacturing activity: Wages $000 000	Manufacturing activity: Fuel and electricity $000 000	Manufacturing activity: Materials and supplies $000 000	Manufacturing activity: Value of shipments of goods[c] $000 000	Manufacturing activity: Value added $000 000	Total activity: Total employees[a] Number	Total activity: Salaries and wages $000 000	Total activity: Total value added $000 000
Sawmill, planing mill, and shingle mill products	**251**	**1 191**	**55 111**	**117 479**	**1 688**	**256**	**5 547**	**9 366**	**3 616**	**63 608**	**2 042**	**3 623**
Shingle and shake industry	2 511	104	1 740	3 555	47	5	139	227	84	1 914	53	87
Sawmills and planing mills	2 512	1 087	53 371	113 924	1 641	251	5 408	9 139	3 532	61 694	1 989	3 536
Veneer and plywood industry	**252**	**84**	**8 233**	**17 169**	**241**	**32**	**571**	**1 050**	**449**	**9 305**	**283**	**452**
Sash, door, and other millwork	**254**	**1 675**	**32 156**	**67 579**	**663**	**46**	**1 816**	**3 376**	**1 523**	**37 781**	**870**	**1 602**
Prefabricated wooden building industry	2 541	100	2 775	5 885	60	5	253	445	189	3 641	90	219
Wooden kitchen cabinet, bathroom vanity industry	2 542	750	9 470	19 959	195	12	393	823	419	10 784	244	425
Wooden door and window ind.	2 543	404	10 493	22 058	217	15	695	1 245	537	12 754	298	555
Other millwork industries	2 549	421	9 418	19 677	191	14	476	863	378	10 602	238	403
Wooden box and pallet industry	**256**	**226**	**3 087**	**6 411**	**55**	**5**	**145**	**259**	**110**	**3 491**	**68**	**114**
Coffin and casket industry	**258**	**25**	**648**	**1 368**	**13**	**1**	**21**	**49**	**28**	**751**	**16**	**28**
Other wood industries	**259**	**438**	**7 757**	**16 640**	**190**	**45**	**727**	**1 221**	**456**	**8 998**	**238**	**457**
Wood preservation	2 591	71	1 184	2 426	30	5	229	314	85	1 477	43	87
Particleboard	2 592	28	1 611	3 736	48	15	179	349	157	2 010	62	156
Waferboard	2 593	13	1 518	3 462	51	17	169	285	99	1 858	65	97
Other wood industries	2 599	326	3 444	7 016	61	8	150	273	115	3 653	68	117
Wood industries	**25**	**3 639**	**106 992**	**226 646**	**2 851**	**385**	**8 827**	**15 322**	**6 183**	**123 934**	**3 517**	**6 277**

[a] Excluding working owners and partners.
[b] 1980 Standard Industrial Classification.
[c] The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 3A. Paper and Allied Industries, 1987r

Sector	S.I.C.[b]	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[c]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
				1 000			$000 000				$000 000	
Pulp and paper industries	**271**	**144**	..	..	..	**1 622**	**7 867**	**17 637**	..	**80 334**	**3 114**	**8 852**
Pulp industry	2 711	39	..	..	..	355	2 480	..	..	18 202	757	2 955
Newsprint industry	2 712	43	..	..	..	927	3 432	..	..	40 169	1 572	4 165
Paperboard industry	2 713	28	..	..	..	186	649	..	..	7 742	292	858
Building board industry	2 714	6	..	..	..	13	42	..	..	993	27	57
Other paper industries	2 719	28	..	..	..	140	1 264	..	..	13 228	465	817
Asphalt roofing industry	**272**	**19**	..	..	..	**15**	**295**	..	..	**2 008**	**62**	**205**
Paper box and bag industries	**273**	**250**	..	..	..	**35**	**1 710**	..	..	**19 789**	**563**	**985**
Folding carton and set-up box industry	2 731	103	..	..	..	9	450	..	..	7 035	192	335
Corrugated box industry	2 732	118	..	..	..	24	1 094	..	..	10 781	319	547
Paper bag industry	2 733	29	..	..	..	3	166	..	..	1 973	52	102
Other converted paper products industries	**279**	**281**	..	..	..	32	1 423	..	..	17 215	446	918
Coated and treated paper	2 791	55	..	..	..	8	325	..	..	4 091	97	226
Stationary paper products	2 792	75	..	..	..	4	290	..	..	4 300	108	207
Paper consumer products	2 793	15	..	..	..	3	308	..	..	2 374	76	148
Other converted paper products	2 799	136	..	..	..	16	501	..	..	6 450	165	337
Paper and allied industries	**27**	**694**	..	..	..	**1 704**	**11 296**	**23 012**	..	**119 346**	**4 185**	**10 959**

[a]Excluding 16 working owners and partners.
[b]1980 Standard Industrial Classification.
[c]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 3B. Paper and Allied Industries, 1988p

Sector	S.I.C.[b]	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[c]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
				1 000			$000 000				$000 000	
Pulp and paper industries	**271**	**145**	**60 874**	**132 312**	**2 405**	**1 672**	**7 991**	**19 851**	**10 286**	**81 058**	**3 331**	**10 181**
Pulp industry	2 711	42	14 608	33 333	625	366	2 577	6 605	3 687	19 314	857	3 631
Newsprint industry	2 712	42	29 953	64 286	1 186	962	3 196	8 843	4 728	39 428	1 631	4 705
Paperboard industry	2 713	26	5 477	11 775	213	164	657	1 685	877	7 236	287	872
Building board industry	2 714	7	817	1 677	22	13	37	113	64	1 021	29	65
Other paper industries	2 719	28	10 019	21 241	359	167	1 524	2 605	930	14 059	527	908
Asphalt roofing industry	**272**	**17**	**1 292**	**2 621**	**37**	**12**	**213**	**433**	**203**	**1 869**	**59**	**209**
Paper box and bag industries	**273**	**266**	**15 879**	**32 985**	**431**	**39**	**1 933**	**3 009**	**1 091**	**20 837**	**614**	**1 092**
Folding carton and set-up box industry	2 731	111	6 224	13 053	162	10	544	890	387	7 661	217	391
Corrugated box industry	2 732	123	7 972	16 686	227	25	1 199	1 819	595	10 930	337	592
Paper bag industry	2 733	32	1 683	3 246	42	4	190	300	109	2 246	60	109
Other converted paper products industries	**279**	**290**	**12 931**	**25 631**	**310**	**33**	**1 334**	**2 370**	**955**	**17 311**	**474**	**1 003**
Coated and treated paper	2 791	57	3 070	6 460	71	9	323	589	266	4 250	107	268
Stationary paper products	2 792	79	3 337	6 468	75	5	265	478	215	4 564	119	243
Paper consumer products	2 793	18	1 734	3 588	51	4	306	488	158	2 468	82	159
Other converted paper products	2 799	136	4 790	9 115	113	15	440	815	316	6 029	166	333
Paper and allied industries	**27**	**718**	**90 976**	**193 551**	**3 184**	**1 757**	**11 471**	**25 661**	**12 534**	**121 075**	**4 479**	**12 485**

[a]Excluding working owners and partners.
[b]1980 Standard Industrial Classification.
[c]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 4. Forest Industries Summary[a], 1965-1988

Year	Estab-lishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[b]: Number	Total activity: Total employees[b]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	7 363	216 375	475 944	1 046	215	2 855	5 555	2 530	262 469	1 349	2 581
1970	6 613	210 714	453 298	1 475	279	3 782	7 264	3 224	261 139	1 942	3 313
1971	6 242	208 625	445 902	1 592	318	4 006	7 731	3 433	258 839	2 090	3 519
1972	6 533	219 284	467 590	1 810	347	4 628	9 091	4 090	271 010	2 364	4 213
1973	6 840	237 514	500 889	2 155	398	5 844	11 431	5 387	292 324	2 793	5 562
1974	7 010	239 726	505 789	2 511	570	6 947	14 033	6 772	297 386	3 281	6 937
1975	6 330	222 915	446 718	2 489	562	6 574	13 110	6 151	278 681	3 336	6 286
1976	5 679	230 527	475 417	3 118	748	8 191	15 961	7 281	286 263	4 064	7 428
1977	5 320	229 348	471 405	3 455	901	8 912	17 888	8 130	282 568	4 482	8 234
1978	5 906	243 312	503 793	3 944	1 077	10 491	21 109	9 610	299 540	5 076	9 762
1979	6 784	249 993	517 679	4 416	1 244	12 964	25 317	11 520	307 580	5 680	11 830
1980	7 368	243 736	503 124	4 750	1 411	14 247	27 459	12 062	301 987	6 180	12 285
1981	7 428	233 790	473 013	5 011	1 703	14 841	28 601	12 180	291 996	6 624	12 295
1982	7 100	201 420	399 323	4 667	1 886	13 252	25 424	10 147	254 875	6 315	10 234
1983	7 633	211 645	431 978	5 355	2 109	15 370	29 326	11 976	262 216	6 987	12 085
1984	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	266 762	7 381	13 734
1985	7 903	218 198	450 073	6 003	2 419	17 935	34 659	14 346	267 709	7 779	14 399
1986	8 276	224 630	457 432	6 313	2 270	19 272	38 276	16 668	273 789	8 172	16 737
1987r	15 068	..	..	..	2 362	23 604	45 133[c]	..	289 382	9 021	20 847
1988p	14 944	240 308	504 995	7 457	2 426	24 746	49 045	22 071	292 153	9 619	22 139

[a]Logging, wood industries, and paper and allied industries.
[b]Excluding working owners and partners.
[c]With the exception of "logging", the value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

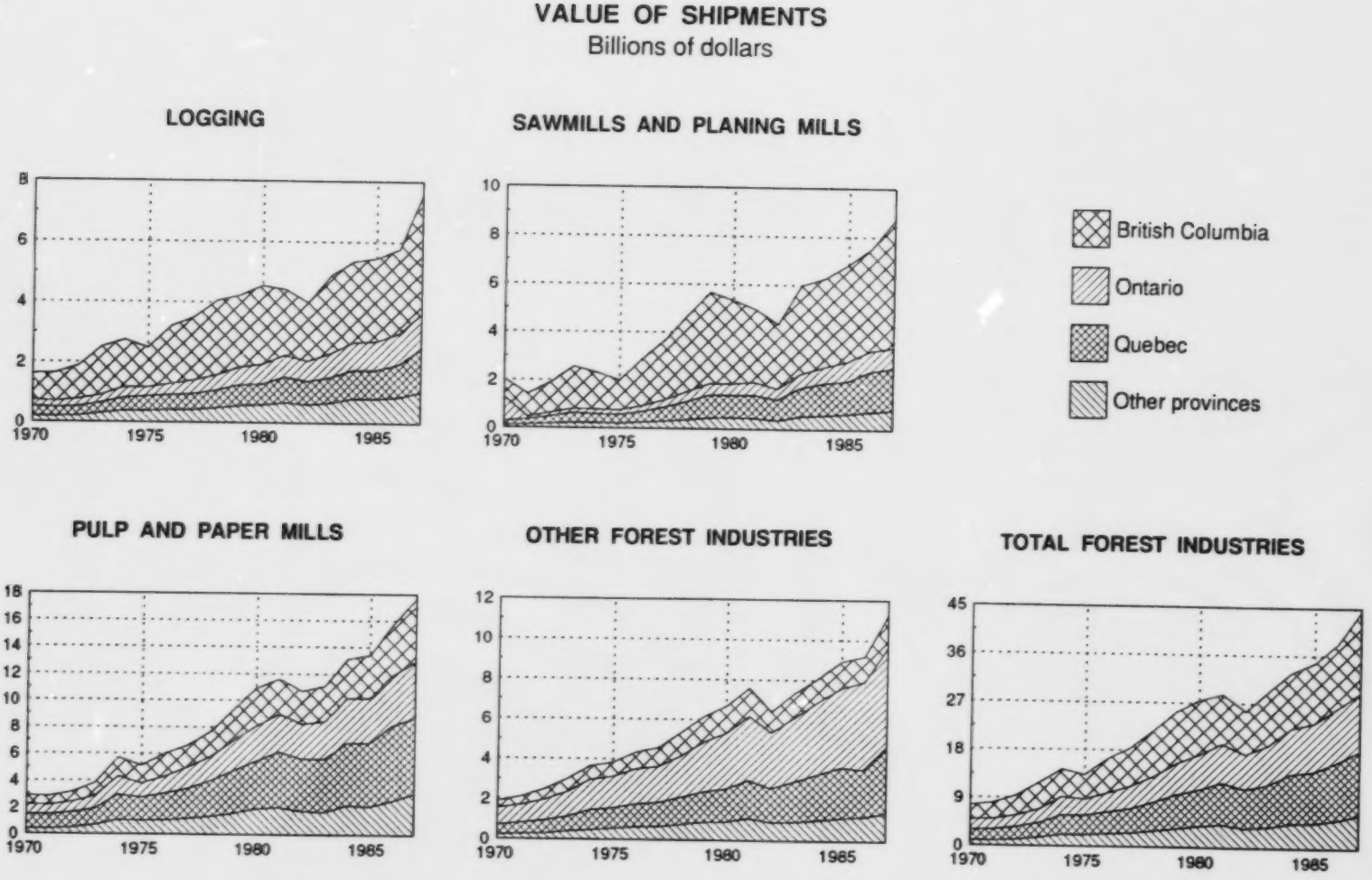

Figure 24. Value of shipments of goods of own manufacture in the forest industries by sector and region, 1970-1987.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 5A. Forest Industries Summary by Province, 1987r

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods[b] ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	171	..	..	..	x	x	x	..	x	x	x
P.E.I.	32	..	..	..	x	x	x	..	x	x	x
N.S.	620	..	..	..	68	449	963	..	6 889	192	469
N.B.	1 017	..	..	..	207	1 234	2 446	..	13 790	422	1 060
Que.	3 784	..	..	..	757	6 401	12 132	..	89 851	2 580	5 587
Ont.	3 349	..	..	..	519	5 959	11 084	..	78 288	2 284	4 977
Man.	273	..	..	..	28	293	575	..	4 337	114	270
Sask.	226	..	..	..	x	x	x	..	x	x	x
Alta.	516	..	..	..	44	725	1 393	..	9 433	289	678
B.C.	5 077	..	..	..	656	8 056	15 538	..	80 536	2 944	7 308
Yukon and N.W.T.	3	..	..	..	x	x	x	..	x	x	x
Total	**15 068**	..	..	..	**2 362**	**23 604**	**45 133**	..	**289 382**	**9 021**	**20 847**

[a]Excluding 8 580 working owners and partners.
[b]With the exception of "logging", the value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 5B. Forest Industries Summary by Province, 1988p

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
Nfld.	193	x	x	x	x	x	x	x	x	x	x
P.E.I.	29	x	x	x	x	x	x	x	x	x	x
N.S.	516	5 708	12 392	148	72	448	1 026	508	7 063	198	507
N.B.	1 124	12 158	26 050	363	197	1 345	2 689	1 168	14 525	458	1 147
Que.	4 171	71 980	153 151	2 072	836	6 448	13 277	6 048	89 086	2 732	6 064
Ont.	2 983	64 235	134 634	1 800	515	6 202	12 013	5 332	79 545	2 439	5 387
Man.	241	3 879	7 985	97	28	315	613	275	4 674	123	278
Sask.	214	x	x	x	x	x	x	x	x	x	x
Alta.	602	8 620	18 286	263	46	793	1 582	758	10 364	326	783
B.C.	4 864	68 481	140 911	2 545	652	8 707	16 765	7 460	80 361	3 129	7 450
Yukon and N.W.T.	7	7	18	--	--	--	1	--	7	--	--
Total	**14 944**	**240 308**	**504 995**	**7 457**	**2 426**	**24 746**	**49 045**	**22 071**	**292 153**	**9 619**	**22 139**

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 6A. Logging by Province, 1987r

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	115	803	1 650	21	4	65	108	40	939	27	40
P.E.I.	12	x	x	x	x	x	x	x	x	x	x
N.S.	494	1 266	2 364	25	4	109	174	61	1 500	33	64
N.B.	850	2 683	3 259	65	19	244	439	179	3 224	82	179
Que.	2 414	10 860	15 814	287	66	702	1 441	676	12 342	341	680
Ont.	2 182	6 885	8 725	226	59	565	1 147	520	7 932	267	522
Man.	165	372	549	12	2	42	75	31	444	14	31
Sask.	163	478	755	15	6	56	107	46	523	17	46
Alta.	278	883	6 240	27	6	68	139	68	990	32	68
Prairies	606	1 733	7 544	54	14	166	321	145	1 957	63	145
B.C.	4 274	18 981	28 723	651	119	2 157	3 907	1 665	20 449	717	1 709
Yukon and N.W.T.	3	x	x	x	x	x	x	x	x	x	x
Total	**10 950**	**43 249**	**68 148**	**1 330**	**284**	**4 008**	**7 538**	**3 286**	**48 381**	**1 532**	**3 340**

[a]Excluding 7 939 working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 68. Logging by Province, 1988p

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
Nfld.	130	867	1 822	26	4	65	122	55	1 008	32	56
P.E.I.	9	25	59	1	--	--	1	1	25	1	1
N.S.	389	1 168	2 573	28	3	118	204	84	1 403	35	85
N.B.	948	3 086	6 244	79	19	310	547	222	3 614	96	222
Atlantic provinces	1 476	5 146	10 698	134	26	493	874	362	6 050	164	364
Que.	2 735	10 457	21 124	310	70	762	1 540	697	11 734	358	698
Ont.	1 727	6 630	13 976	231	51	663	1 201	492	7 566	271	496
Man.	117	369	772	12	1	39	69	31	445	15	31
Sask.	143	343	738	11	5	80	119	33	379	13	33
Alta.	346	976	2 007	34	7	75	153	74	1 092	39	73
Prairies	606	1 688	3 517	57	13	194	341	138	1 916	67	137
B.C.	4 036	18 412	35 467	692	123	2 336	4 105	1 665	19 871	764	1 681
Yukon and N.W.T.	7	7	18	--	--	--	1	--	7	--	--
Total	**10 587**	**42 340**	**84 798**	**1 422**	**284**	**4 448**	**8 062**	**3 354**	**47 144**	**1 623**	**3 377**

[a]Excluding 7 403 working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 7A. Wood Industries by Province, 1987r

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
Nfld.	49	..	..	..	1	18	26	..	472	8	9
P.E.I.	20	..	..	..	–	20	14	..	235	4	8
N.S.	111	..	..	..	5	96	167	..	2 145	39	79
N.B.	148	..	..	..	16	266	458	..	4 441	99	192
Atlantic provinces	328	..	..	..	22	399	665	..	7 293	150	288
Que.	1 159	..	..	..	86	2 067	3 478	..	34 250	748	1 500
Ont.	845	..	..	..	66	1 606	2 724	..	28 040	653	1 165
Man.	85	..	..	..	4	111	207	..	2 211	50	101
Sask.	58	..	..	..	6	96	154	..	1 354	38	58
Alta.	209	..	..	..	22	395	719	..	6 082	175	348
Prairies	352	..	..	..	31	602	1 080	..	9 647	262	507
B.C.	740	..	..	..	169	3 626	6 639	..	42 425	1 490	3 089
Yukon and N.W.T.	-	..	..	..	-	-	-	..	-	-	-
Total	3 424	..	..	..	374	8 300	14 583	..	121 655	3 304	6 548

[a]Excluding 625 working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 7B. Wood Industries by Province, 1988p

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	56	381	789	6	1	18	29	10	478	8	10
P.E.I.	19	195	413	3	–	9	14	5	272	5	10
N.S.	112	2 047	4 239	34	5	93	160	61	2 235	39	64
N.B.	154	4 155	9 059	89	17	276	498	205	4 620	103	204
Atlantic provinces	341	6 778	14 500	132	23	396	701	281	7 605	155	288
Que.	1 218	29 195	62 650	629	91	2 029	3 614	1 516	34 149	783	1 540
Ont.	926	25 301	53 681	570	72	1 648	2 906	1 208	29 185	734	1 235
Man.	99	2 112	4 452	44	4	126	221	93	2 474	55	95
Sask.	65	1 198	2 550	35	7	86	152	61	1 445	43	63
Alta.	227	5 867	12 348	165	25	443	798	340	6 793	198	368
Prairies	391	9 177	19 350	244	36	655	1 171	494	10 712	296	526
B.C.	763	36 541	76 466	1 276	163	4 099	6 932	2 685	42 283	1 550	2 690
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	3 639	106 992	226 646	2 851	385	8 827	15 322	6 183	123 934	3 517	6 277

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 8A. Paper and Allied Industries by Province, 1987r

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods[b] ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	7	..	..	..	x	x	x	..	x	x	x
P.E.I.	-	..	..	..	-	-	-	..	-	-	-
N.S.	15	..	..	..	59	244	622	..	3 244	120	326
N.B.	19	..	..	..	172	724	1 549	..	6 125	241	689
Que.	211	..	..	..	605	3 632	7 213	..	43 259	1 491	3 407
Ont.	322	..	..	..	394	3 788	7 213	..	42 316	1 364	3 290
Man.	23	..	..	..	22	140	293	..	1 682	50	138
Sask.	5	..	..	..	x	x	x	..	x	x	x
Alta.	29	..	..	..	16	262	535	..	2 361	82	262
B.C.	63	..	..	..	368	2 273	4 992	..	17 662	737	2 510
Yukon and N.W.T.	-	..	..	..	-	-	-	..	-	-	-
Total	**694**	..	..	..	**1 704**	**11 296**	**23 012**	..	**119 346**	**4 185**	**10 959**

[a]Excluding 16 working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 88. Paper and Allied Industries by Province, 1988p

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	7	x	x	x	x	x	x	x	x	x	x
P.E.I.	1	x	x	x	x	x	x	x	x	x	x
N.S.	15	2 493	5 580	86	64	237	662	363	3 425	124	358
N.B.	22	4 917	10 747	195	161	759	1 644	741	6 291	259	721
Que.	218	32 328	69 377	1 133	675	3 657	8 123	3 835	43 203	1 591	3 826
Ont.	330	32 304	66 977	999	392	3 891	7 906	3 632	42 794	1 434	3 656
Man.	25	1 398	2 761	41	23	150	323	151	1 755	53	152
Sask.	6	x	x	x	x	x	x	x	x	x	x
Alta.	29	1 777	3 931	64	14	275	631	344	2 479	89	342
B.C.	65	13 528	28 978	577	366	2 272	5 728	3 110	18 207	815	3 079
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	**718**	**90 976**	**193 551**	**3 184**	**1 757**	**11 471**	**25 661**	**12 534**	**121 075**	**4 479**	**12 485**

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 9. Industrial Roundwood Production and Value Added by the Forest Industry, 1970-1988

Year	Industrial roundwood production	Value added, manufacturing activity						Value added, total activity					
			Wood industries		Paper and allied industries				Wood industries		Paper and allied industries		
		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	**Total forest industries**	Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	**Total forest industries**
	1 000 m^3						$000 000						
1970	117 324	683	436	790	1 323	1 781	**3 254**	694	439	802	1 331	1 817	**3 313**
1971	117 991	686	572	1 003	1 273	1 772	**3 461**	698	574	1 017	1 277	1 804	**3 519**
1972	120 748	814	865	1 397	1 374	1 928	**4 139**	829	869	1 422	1 380	1 962	**4 213**
1973	140 343	1 089	1 275	1 947	1 804	2 439	**5 475**	1 109	1 280	1 977	1 813	2 476	**5 562**
1974	134 416	1 221	976	1 708	3 034	3 888	**6 817**	1 244	983	1 748	3 049	3 945	**6 937**
1975	111 497	1 098	849	1 655	2 569	3 398	**6 151**	1 126	851	1 690	2 601	3 470	**6 286**
1976	135 227	1 300	1 262	2 207	2 845	3 774	**7 281**	1 348	1 268	2 236	2 876	3 844	**7 428**
1977	141 580	1 400	1 719	2 726	3 056	4 004	**8 130**	1 440	1 723	2 762	3 070	4 032	**8 234**
1978	150 918	1 564	2 257	3 507	3 504	4 539	**9 610**	1 647	2 260	3 550	3 508	4 565	**9 762**
1979	156 464	1 822	2 610	3 965	4 539	5 733	**11 520**	2 053	2 617	4 021	4 531	5 756	**11 630**
1980	150 649	1 927	2 085	3 398	5 350	6 737	**12 062**	2 049	2 089	3 466	5 355	6 770	**12 285**
1981	139 084	1 857	1 828	3 379	5 406	6 944	**12 180**	1 883	1 827	3 447	5 401	6 965	**12 295**
1982	121 343	1 616	1 489	2 662	4 535	5 869	**10 147**	1 650	1 494	2 708	4 515	5 876	**10 234**
1983	150 724	2 105	2 455	3 942	4 410	5 929	**11 976**	2 152	2 463	3 993	4 380	5 940	**12 085**
1984	160 867	2 172	2 410	4 006	5 845	7 506	**13 684**	2 191	2 410	4 051	5 802	7 492	**13 734**
1985	161 985	2 167	2 777	4 624	5 773	7 555	**14 346**	2 187	2 786	4 688	5 720	7 524	**14 399**
1986	170 263	2 260	3 209	5 473	7 020	8 935	**16 668**	2 297	3 216	5 523	6 974	8 917	**16 737**
1987r	191 607	3 286	..	..	..	..	..	3 340	3 888	6 548	8 852	10 959	**20 847**
1988p	190 252	3 354	3 532	6 183	10 286	12 534	**22 071**	3 377	3 536	6 277	10 181	12 485	**22 139**

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

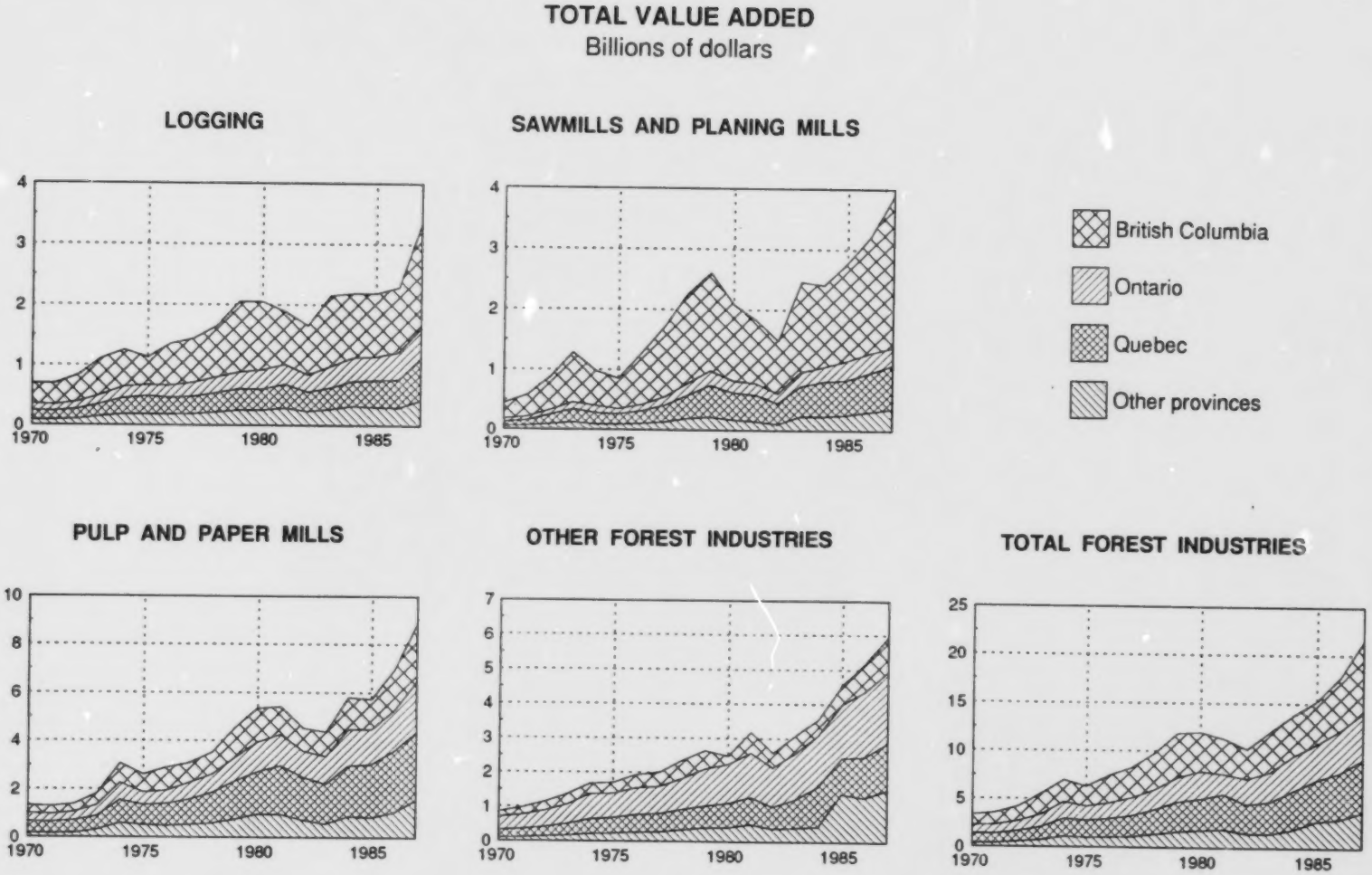

Figure 25. Total value added in the forest industries by sector and region, 1970-1987.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 10A. Industrial Roundwood Production and Value Added by the Forest Industry by Province, 1987r

Province or territory	Industrial roundwood production	Value added, manufacturing activity							Value added, total activity						
			Wood industries		Paper and allied industries					Wood industries		Paper and allied industries			
		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries	
	1 000 m^3	$000 000						%	$000 000						%
Nfld.	2 524	40	..	..	..	..	..	..	40	5	9	x	x	x	x
P.E.I.	479	x	..	..	..	..	..	..	x	1	8	x	-	x	x
N.S.	4 712	61	..	..	..	..	..	..	64	46	79	300	326	469	2.2
N.B.	7 869	179	..	..	..	..	..	..	179	108	192	674	689	1 060	5.1
Atlantic provinces	15 584	x	..	..	..	..	..	..	x	160	288	x	x	x	x
Que.	39 503	676	..	..	..	..	..	..	680	726	1 500	2 809	3 407	5 587	26.8
Ont.	29 692	520	..	..	..	..	..	..	522	298	1 165	2 091	3 290	4 977	23.9
Man.	1 887	31	..	..	..	..	..	..	31	15	101	x	138	270	1.3
Sask.	3 666	46	..	..	..	..	..	..	46	22	58	x	x	x	x
Alta.	10 496	68	..	..	..	..	..	..	68	168	348	x	262	678	3.3
Prairies	16 049	145	..	..	..	..	..	..	145	205	507	x	x	x	x
B.C.	90 591	1 665	..	..	..	..	..	..	1 709	2 499	3 089	2 391	2 510	7 308	35.1
Yukon and N.W.T.	188	x	..	..	..	..	..	..	-	-	-	-	-	x	-
Total	191 607	3 286	..	..	..	..	..	..	3 340	3 888	6 548	8 852	10 959	20 847	100.0

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 10B. Industrial Roundwood Production and Value Added by the Forest Industry by Province, 1988p

Province or territory	Industrial roundwood production	Value added, manufacturing activity							Value added, total activity						
		Wood industries			Paper and allied industries				Wood industries			Paper and allied industries			
		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries	
	1 000 m^3	$000 000						%	$000 000						%
Nfld.	2 513	55	..	10	..	x	x	x	56	..	10	..	x	x	x
P.E.I.	487	1	..	5	..	x	x	x	1	..	10	..	x	x	x
N.S.	4 664	84	..	61	..	363	508	2.3	85	..	64	..	358	507	2.3
N.B.	9 199	222	..	205	..	741	1 168	5.3	222	..	204	..	721	1 147	5.2
Atlantic provinces	16 863	362	..	281	..	x	x	x	364	..	288	..	x	x	x
Que.	39 381	697	..	1 516	..	3 835	6 048	27.4	698	..	1 540	..	3 826	6 064	27.4
Ont.	29 338	492	..	1 208	..	3 632	5 332	24.2	496	..	1 235	..	3 656	5 387	24.3
Man.	1 883	31	..	93	..	151	275	1.2	31	..	95	..	152	278	1.3
Sask.	3 818	33	..	61	..	x	x	x	33	..	63	..	x	x	x
Alta.	11 990	74	..	340	..	344	758	3.4	73	..	368	..	342	783	3.5
Prairies	17 691	138	..	494	..	x	x	x	137	..	526	..	x	x	x
B.C.	86 807	1 665	..	2 685	..	3 110	7 460	33.8	1 681	..	2 690	..	3 079	7 450	33.7
Yukon and N.W.T.	172	–	..	-	..	-	–	–	–	..	-	..	-	–	-
Total	190 252	3 354	..	6 183	..	12 534	22 071	100.0	3 377	..	6 277	..	12 485	22 139	100.0

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 11. Major Wood Industries - Selected Provinces, 1987r

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
A. Sawmill, planing mill, and shingle mill industries (S.I.C. 251)											
Nfld.	30	..	..	..	1	5	11	..	266	4	5
P.E.I.	8	..	..	..	--	1	2	..	34	1	1
N.S.	63	..	..	..	4	43	88	..	1 155	20	46
Que.	356	..	..	..	54	1 059	1 780	..	15 935	375	741
Man.	12	..	..	..	1	27	42	..	354	8	15
Sask.	10	..	..	..	2	40	65	..	481	16	22
Alta.	45	..	..	..	13	176	357	..	2 664	86	168
Prairies	67	..	..	..	17	242	464	..	3 499	111	205
B.C.	421	..	..	..	141	2 982	5 476	..	32 683	1 200	2 566
Yukon and N.W.T.	-	..	..	..	-	-	..	..	-	-	-
Others	262	..	..	..	41	686	1 112	..	10 451	263	409
Total	**1 207**	..	..	..	**257**	**5 019**	**8 933**	..	**64 023**	**1 973**	**3 973**
B. Shingle and shake industry (S.I.C. 2511)											
Que.	18	..	..	..	1	15	30	..	481	9	15
B.C.	85	..	..	..	4	121	183	..	1 437	42	68
Others	11	..	..	..	--	4	6	..	125	2	3
Total	**114**	..	..	..	**5**	**140**	**219**	..	**2 043**	**53**	**86**

IV - 11. Major Wood Industries - Selected Provinces, 1987r (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
C. Sawmill and planing mill products industry (S.I.C. 2512)											
Nfld.	30	..	..	..	1	5	11	..	266	4	5
P.E.I.	8	..	..	..	--	1	2	..	34	1	1
N.S.	63	..	..	..	4	43	88	..	1 155	20	46
N.B.	66	..	..	..	9	157	267	..	2 541	58	108
Atlantic provinces	167	..	..	..	13	207	368	..	3 996	83	160
Que.	338	..	..	..	53	1 044	1 750	..	15 454	366	726
Ont.	185	..	..	..	31	525	843	..	7 785	202	298
Man.	12	..	..	..	1	27	42	..	354	8	15
Sask.	10	..	..	..	2	40	65	..	481	16	22
Alta.	45	..	..	..	13	176	357	..	2 664	86	168
Prairies	67	..	..	..	17	242	464	..	3 499	111	205
B.C.	336	..	..	..	138	2 861	5 293	..	31 246	1 158	2 499
Yukon and N.W.T.	-	..	..	..	-	-	-	..	-	-	-
Total	**1 093**	..	..	..	**252**	**4 879**	**8 718**	..	**61 980**	**1 920**	**3 888**
D. Veneer and plywood industries (S.I.C. 252)											
Que.	28	..	..	..	4	160	..	..	1 637	34	77
Ont.	19	..	..	..	6	96	..	..	2 130	48	79
B.C.	22	..	..	..	18	322	..	..	4 670	156	293
Others	9	..	..	..	5	44	..	..	910	27	47
Total	78	..	..	.	33	622	..	..	9 347	265	496

IV - 11. Major Wood Industries - Selected Provinces, 1987r (continued)

Activity/ province or territory	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods[b]	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
E. Sash, door, and other millwork industries (S.I.C. 254)											
N.S.	28	..	..	..	1	32	..	..	795	15	26
Que.	600	..	..	..	14	612	..	..	12 160	241	476
Ont.	416	..	..	..	13	682	..	..	13 447	300	583
Alta.	115	..	..	..	2	124	..	..	2 063	49	90
B.C.	213	..	..	..	5	223	..	..	3 784	99	163
Others	166	..	..	..	4	162	..	..	3 225	70	129
Total	**1 538**	..	..	..	**39**	**1 835**	..	..	**35 474**	**774**	**1 467**
F. Prefabricated wooden building industry (S.I.C. 2541)											
N.S.	4	..	..	..	–	12	..	..	293	5	8
Que.	40	..	..	..	1	82	..	..	1 098	22	61
Ont.	16	..	..	..	1	88	..	..	967	22	61
Alta.	11	..	..	..	1	50	..	..	661	17	31
B.C.	19	..	..	..	1	16	..	..	333	8	12
Others	3	..	..	..	–	2	..	..	40	2	1
Total	**93**	..	..	..	**4**	**250**	..	..	**3 392**	**76**	**174**

IV - 11. Major Wood Industries - Selected Provinces, 1987r (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
G. Wooden kitchen cabinet and bathroom vanity industries (S.I.C. 2542)											
N.S.	9	..	..	..	--	3	..	..	142	3	5
N.B.	15	..	..	..	--	7	..	..	195	4	6
Que.	283	..	..	..	4	117	..	..	3 349	65	120
Ont.	202	..	..	..	4	148	..	..	4 195	97	178
Man.	33	..	..	..	1	19	..	..	583	15	25
Alta.	42	..	..	..	--	13	..	..	390	8	12
B.C.	91	..	..	..	1	41	..	..	1 146	26	52
Others	24	..	..	..	--	6	..	..	125	1	3
Total	**699**	..	..	..	**10**	**354**	..	..	**10 125**	**219**	**401**
H. Wooden door and window industry (S.I.C. 2543)											
N.S.	9	..	..	..	--	11	..	..	210	4	7
N.B.	15	..	..	..	1	26	..	..	492	11	22
Que.	166	..	..	..	6	280	..	..	4 966	102	189
Ont.	82	..	..	..	4	248	..	..	4 145	93	198
Man.	14	..	..	..	1	40	..	..	786	17	41
Alta.	24	..	..	..	1	31	..	..	475	11	25
B.C.	52	..	..	..	2	102	..	..	1 310	38	59
Others	15	..	..	..	--	26	..	..	322	8	11
Total	**377**	..	..	..	**14**	**764**	..	..	**12 706**	**284**	**552**

IV - 11. Major Wood Industries - Selected Provinces, 1987r (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
I. Other millwork industries (S.I.C. 2549)											
N.S.	6	..	..	..	--	6	..	..	150	3	6
N.B.	18	..	..	..	--	6	..	..	168	3	5
Que.	111	..	..	..	3	132	..	..	2 747	52	105
Ont.	116	..	..	..	4	198	..	..	4 140	88	145
Man.	9	..	..	..	--	12	..	..	278	6	9
Sask.	11	..	..	..	--	17	..	..	168	4	4
Alta.	38	..	..	..	1	30	..	..	537	12	23
Prairies	58	..	..	..	1	58	..	..	983	22	37
B.C.	51	..	..	..	2	63	..	..	995	26	40
Others	9	..	..	..	1	3	..	..	68	1	3
Total	**369**	..	..	..	**11**	**467**	..	..	**9 251**	**195**	**340**
J. Wooden box and pallet industry (S.I.C. 256)											
N.S.	8	..	..	..	--	3	..	..	81	1	2
N.B.	8	..	..	..	--	2	..	..	57	1	1
Que.	66	..	..	..	2	42	..	..	1 113	18	32
Ont.	93	..	..	..	2	74	..	..	1 796	32	57
Alta.	11	..	..	..	--	7	..	..	179	4	6
Others	21	..	..	..	1	15	..	..	282	6	11
Total	**207**	..	..	..	**5**	**143**	..	..	**3 508**	**62**	**109**

IV - 11. Major Wood Industries - Selected Provinces, 1987r (concluded)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
K. Coffin and casket industry (S.I.C. 258)											
Que.	14	..	..	..	1	13	..	..	496	10	17
Alta.	4	..	..	..	–	2	..	..	30	1	1
Others	7	..	..	..	–	4	..	..	182	4	6
Total	**25**	..	..	..	**1**	**19**	..	..	**708**	**15**	**24**
L. Other wood industries (S.I.C. 259)											
N.S.	12	..	..	..	–	17	..	..	114	2	5
Que.	95	..	..	..	11	181	..	..	2 909	69	157
B.C.	69	..	..	..	4	86	..	..	1 066	31	56
Others	193	..	..	..	25	377	..	..	4 506	114	260
Total	**369**	..	..	..	**40**	**661**	..	..	**8 595**	**216**	**478**

[a]Excluding working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 31-203.

IV - 12. Major Paper and Allied Industries - Selected Provinces, 1987r

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
A. Pulp and paper industries (S.I.C. 271)											
N.S.	5	..	..	..	56	207	560	..	2 697	106	300
N.B.	12	..	..	..	171	688	1 498	..	5 764	232	674
Que.	56	..	..	..	579	2 629	5 652	..	31 652	1 179	2 809
Ont.	36	..	..	..	350	1 841	4 168	..	19 873	748	2 091
B.C.	25	..	..	..	365	2 097	4 715	..	15 816	677	2 391
Others	10	..	..	..	101	405	1 044	..	4 532	172	587
Total	**144**	..	..	..	**1 622**	**7 867**	**17 637**	..	**80 334**	**3 114**	**8 852**
B. Pulp industry (S.I.C. 2711)											
N.B.	6	..	..	..	69	417	..	..	3 088	126	404
Que.	8	..	..	..	44	311	..	..	2 183	94	359
Ont.	5	..	..	..	63	393	..	..	3 357	126	481
B.C.	16	..	..	..	150	1 140	..	..	7 397	323	1 329
Others	4	..	..	..	29	219	..	..	2 177	88	382
Total	**39**	..	..	..	**355**	**2 480**	..	..	**18 202**	**757**	**2 955**

IV - 12. Major Paper and Allied Industries - Selected Provinces, 1987r (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
C. Newsprint industry (S.I.C. 2712)											
Que.	21	..	..	..	401	1 527	..	..	19 224	728	1 754
Ont.	9	..	..	..	170	669	..	..	8 962	348	964
B.C.	4	..	..	..	172	713	..	..	6 133	262	829
Others	9	..	..	..	184	523	..	..	5 850	234	618
Total	**43**	..	..	..	**927**	**3 432**	..	..	**40 169**	**1 572**	**4 165**
D. Paperboard industry (S.I.C. 2713)											
Que.	10	..	..	..	64	272	..	..	3 287	126	345
Ont.	11	..	..	..	60	205	..	..	2 630	94	285
Others	7	..	..	..	62	172	..	..	1 825	72	228
Total	**28**	..	..	..	**186**	**649**	..	..	**7 742**	**292**	**858**
E. Asphalt roofing industry (S.I.C. 272)											
Que.	5	..	..	..	6	87	..	..	845	28	59
Ont.	7	..	..	..	6	146	..	..	674	18	104
Alta.	3	..	..	..	2	51	..	..	337	11	34
Others	4	..	..	..	1	11	..	..	152	5	8
Total	**19**	..	..	..	**15**	**295**	..	..	**2 008**	**62**	**205**

IV - 12. Major Paper and Allied Industries - Selected Provinces, 1987r (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
F. Paper box and bag industries (S.I.C. 273)											
Que.	64	..	..	..	11	501	..	..	5 878	166	276
Ont.	136	..	..	..	18	878	..	..	10 643	300	516
Alta.	12	..	..	..	1	77	..	..	627	18	42
Others	38	..	..	..	5	254	..	..	2 641	79	151
Total	**250**	..	..	..	**35**	**1 710**	..	..	**19 789**	**563**	**985**
G. Folding carton and set-up box industry (S.I.C. 2731)											
Que.	32	..	..	..	3	134	..	..	2 025	58	95
Ont.	56	..	..	..	5	285	..	..	4 519	122	215
Others	15	..	..	..	1	31	..	..	491	12	25
Total	**103**	..	..	..	**9**	**450**	..	..	**7 035**	**192**	**335**
H. Corrugated box industry (S.I.C. 2732)											
Que.	23	..	..	..	7	285	..	..	2 378	86	128
Ont.	65	..	..	..	12	564	..	..	5 641	166	283
Man.	6	..	..	..	1	33	..	..	283	9	20
B.C.	8	..	..	..	2	102	..	..	967	31	65
Others	13	..	..	..	2	110	..	..	912	27	51
Total	**118**	..	..	..	**24**	**1 094**	..	..	**10 781**	**319**	**547**

IV - 12. Major Paper and Allied Industries - Selected Provinces, 1987r (concluded)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[b]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
I. Paper bag industry (S.I.C. 2733)											
Que.	9	..	..	..	2	83	..	..	875	22	52
Ont.	12	..	..	..	1	30	..	..	483	13	17
Others	8	..	..	..	–	53	..	..	615	17	33
Total	**29**	..	..	..	**3**	**166**	..	..	**1 973**	**52**	**102**
J. Other converted paper products industries (S.I.C. 279)											
Que.	86	..	..	..	8	416	..	..	4 884	117	263
Ont.	143	..	..	..	20	922	..	..	11 126	298	579
Others	52	..	..	..	4	85	..	..	1 205	31	76
Total	**281**	..	..	..	**32**	**1 423**	..	..	**17 215**	**446**	**918**
K. Stationary paper products industry (S.I.C. 2792)											
Que.	19	..	..	..	1	65	..	..	1 000	25	54
Ont.	37	..	..	..	3	187	..	..	2 801	70	120
Alta.	5	..	..	..	–	8	..	..	111	3	9
B.C.	9	..	..	..	–	23	..	..	247	8	19
Others	5	..	..	..	–	[illegible]	..	..	141	2	5
Total	**75**	..	..	..	**4**	**290**	..	..	**4 300**	**108**	**207**

[a]Excluding working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 31-203.

IV - 13. Logging by Year, 1960-1988

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
		Number	1 000	$000 000					Number	$000 000	
1960	..	..	..	..	..	..	806	..	..	375	..
1965	2 556	53 992	122 571	274	27	651	1 185	528	60 701	316	547
1970	2 848	44 810	100 227	345	29	690	1 382	653	52 230	412	694
1971	2 436	40 119	88 723	344	30	687	1 383	658	47 284	413	698
1972	2 794	40 363	89 599	382	37	770	1 592	765	47 553	458	829
1973	3 128	49 573	105 182	513	50	1 127	2 104	1 001	57 586	606	1 109
1974	3 249	50 733	108 321	601	68	1 249	2 365	1 176	59 491	717	1 244
1975	2 745	45 533	97 662	588	64	1 129	2 175	1 098	53 622	712	1 126
1976	2 315	42 185	83 917	639	71	1 383	2 733	1 300	49 878	773	1 348
1977	2 131	41 804	83 192	693	74	1 513	2 998	1 400	49 445	844	1 440
1978	2 279	45 939	91 544	808	85	1 828	3 435	1 564	53 753	973	1 647
1979	2 844	48 301	96 238	927	101	2 383	4 222	1 822	56 614	1 115	2 053
1980	3 241	45 826	90 653	965	121	2 597	4 559	1 927	54 370	1 179	2 049
1981	3 276	39 971	78 283	944	159	2 444	4 430	1 857	48 402	1 192	1 883
1982	3 081	32 770	62 413	798	179	2 098	3 995	1 616	40 156	1 032	1 650
1983	3 508	39 771	80 446	1 013	200	2 605	4 909	2 105	45 943	1 219	2 152
1984	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	48 022	1 324	2 191
1985	3 739	40 733	78 567	1 100	219	3 059	5 462	2 167	45 962	1 294	2 187
1986	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313	2 297
1987r	10 950	43 249	68 148	1 330	284	4 008	7 538	3 286	48 381	1 532	3 340
1988p	10 587	42 340	84 798	1 422	284	4 448	8 062	3 354	47 144	1 623	3 377

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201.

IV - 14. Wood Industries by Year, 1960-1988

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1960	5 730	69 101	..	222	18	561	1 007	..	82 734	278	432
1965	4 206	78 389	169 301	322	30	818	1 488	655	91 588	399	669
1970	3 330	75 225	157 535	446	36	1 139	1 951	790	87 829	552	802
1971	3 164	78 420	165 368	517	44	1 296	2 347	1 003	91 846	638	1 017
1972	3 085	87 733	182 598	623	53	1 647	3 085	1 397	102 699	771	1 422
1973	3 063	94 818	197 824	756	64	2 181	4 056	1 947	111 600	939	1 977
1974	3 111	89 297	186 506	823	75	2 242	3 991	1 708	106 620	1 038	1 748
1975	2 920	81 588	167 763	846	79	2 098	3 803	1 655	97 717	1 071	1 690
1976	2 703	90 007	187 880	1 098	105	2 770	4 999	2 207	106 178	1 353	2 236
1977	2 542	92 300	192 273	1 272	130	3 161	5 952	2 726	108 660	1 558	2 762
1978	2 928	100 491	209 594	1 482	159	3 916	7 477	3 507	119 004	1 821	3 550
1979	3 208	103 025	216 455	1 687	183	4 927	8 808	3 965	122 048	2 074	4 021
1980	3 363	98 839	207 679	1 798	205	4 865	8 397	3 398	117 307	2 217	3 466
1981	3 394	94 328	189 205	1 824	245	4 802	8 437	3 374	112 570	2 286	3 442
1982	3 345	80 726	155 324	1 653	273	4 095	7 168	2 662	97 050	2 102	2 708
1983	3 453	85 499	172 757	1 950	323	5 297	9 406	3 942	101 965	2 427	3 993
1984	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051
1985	3 476	90 988	189 083	2 204	369	6 164	11 122	4 624	107 560	2 740	4 688
1986	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523
1987r	3 424	..	..	..	374	8 300	14 583[b]	..	121 655	3 304	6 548
1988p	3 639	106 992	226 646	2 851	385	8 827	15 322	6 183	123 934	3 517	6 277

[a]Excluding working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 15. Paper and Allied Industries by Year, 1960-1988

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
1960	565	76 040	..	339	116	979	2 126	..	95 281	458	1 034
1965	601	83 994	184 072	450	158	1 386	2 882	1 347	110 180	634	1 365
1970	635	90 679	195 536	684	214	1 953	3 931	1 781	121 080	978	1 817
1971	642	90 086	191 811	731	244	2 023	4 001	1 772	119 709	1 039	1 804
1972	654	91 188	195 393	805	257	2 211	4 414	1 928	120 758	1 135	1 962
1973	649	93 123	197 883	886	284	2 536	5 271	2 439	123 138	1 248	2 476
1974	650	99 696	210 962	1 087	427	3 456	7 677	3 888	131 275	1 526	3 945
1975	665	95 794	181 293	1 055	419	3 347	7 132	3 398	127 342	1 553	3 470
1976	661	98 335	203 620	1 381	572	4 038	8 229	3 774	130 207	1 938	3 844
1977	647	94 244	195 940	1 490	697	4 238	8 938	4 004	124 463	2 080	4 032
1978	699	96 882	202 655	1 654	833	4 747	10 197	4 539	126 783	2 282	4 565
1979	732	98 667	204 986	1 802	960	5 654	12 287	5 733	128 918	2 491	5 756
1980	764	99 071	204 792	1 987	1 085	6 785	14 503	6 737	130 310	2 784	6 770
1981	758	99 491	205 525	2 243	1 299	7 595	15 729	6 944	131 024	3 146	6 965
1982	674	87 924	181 586	2 216	1 434	7 059	14 261	5 869	117 669	3 180	5 876
1983	672	86 375	178 775	2 392	1 586	7 468	15 011	5 929	114 308	3 341	5 940
1984	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799	3 516	7 492
1985	688	86 477	182 423	2 699	1 831	8 712	18 075	7 555	114 187	3 745	7 524
1986	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063	4 003	8 917
1987r	694	..	..	..	1 704	11 296	23 012[b]	..	119 346	4 185	10 959
1988p	718	90 976	193 551	3 184	1 757	11 471	25 661	12 534	121 075	4 479	12 485

[a]Excluding working owners and partners.
[b]The value of shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 16. Sawmill, Planing Mill, and Shingle Mill Industries (S.I.C. 251) by Year, 1965-1988

		Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389
1970	1 854	43 914	92 625	273	24	705	1 168	450	50 226	326	453
1971	1 705	45 702	96 322	318	29	811	1 440	593	52 650	381	596
1972	1 639	51 076	106 058	385	36	1 030	1 949	894	58 909	464	898
1973	1 593	55 396	115 366	471	44	1 397	2 627	1 306	64 359	572	1 311
1974	1 609	50 615	106 377	506	50	1 341	2 380	999	59 886	623	1 005
1975	1 437	42 291	87 840	482	52	1 141	2 060	883	50 765	599	885
1976	1 282	49 528	104 249	667	70	1 647	2 969	1 309	58 221	802	1 314
1977	1 203	53 169	111 169	803	89	1 986	3 787	1 772	62 199	961	1 776
1978	1 310	58 130	122 002	944	109	2 513	4 848	2 324	68 616	1 139	2 328
1979	1 424	59 294	125 894	1 081	126	3 267	5 831	2 670	70 314	1 312	2 677
1980	1 441	57 800	122 469	1 173	143	3 205	5 430	2 150	68 312	1 423	2 155
1981	1 432	54 499	108 526	1 147	169	2 998	5 098	1 882	64 486	1 413	1 883
1982	1 338	46 295	89 306	1 055	190	2 672	4 501	1 535	55 119	1 319	1 540
1983	1 388	50 179	101 115	1 264	228	3 507	6 106	2 502	59 674	1 548	2 509
1984	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626	2 468
1985	1 318	51 773	107 820	1 407	258	3 976	7 059	2 854	61 233	1 721	2 864
1986	1 294	50 708	103 676	1 401	241	4 104	7 618	3 296	59 238	1 723	3 303
1987r	1 207	..	..	..	257	5 019	8 933[b]	..	64 023	1 973	3 973
1988p	1 191	55 111	117 479	1 688	256	5 547	9 366	3 616	63 608	2 042	3 623

[a]Excluding working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 35-204, 35-250, and 31-203.

IV - 17. Shingle and Shake Industry (S.I.C. 2511) by Year, 1965-1988

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	64	1 422	2 793	8	--	15	25	10	1 527	9	11
1970	82	1 374	2 697	11	--	18	32	14	1 450	12	14
1971	74	1 595	3 173	14	1	22	44	22	1 687	15	22
1972	72	1 689	3 244	15	1	26	56	29	1 798	16	29
1973	74	1 753	3 415	17	1	37	68	31	1 883	18	31
1974	79	1 421	2 841	16	1	26	50	23	1 540	18	23
1975	69	1 503	2 942	20	1	28	63	34	1 609	21	34
1976	69	1 690	3 359	25	1	44	90	47	1 813	27	47
1977	71	1 637	3 319	29	2	61	115	53	1 754	31	53
1978	84	2 029	4 272	37	2	87	154	68	2 159	41	68
1979	116	1 853	3 887	40	2	92	155	60	1 986	44	60
1980	124	1 897	3 708	41	2	83	152	66	2 034	44	66
1981	119	1 583	3 117	37	2	69	125	54	1 712	40	56
1982	108	1 302	2 401	29	3	46	87	39	1 421	33	41
1983	98	1 417	2 714	34	3	64	114	46	1 539	39	46
1984	101	1 537	3 099	37	3	81	139	58	1 648	41	57
1985	107	2 157	4 213	52	4	115	196	77	2 272	56	77
1986	134	2 405	4 285	55	5	138	231	86	2 550	60	87
1987r	114	..	..	..	5	140	219[b]	..	2 043	53	86
1988p	104	1 740	3 555	47	5	139	227	84	1 914	53	87

[a]Excluding working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 35-204, 35-250, and 31-203.

IV - 18. Sawmill and Planing Mill Products Industry (S.I.C. 2512) by Year, 1960-1988

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1960	3 719	36 714	..	120	10	296	530	225	..	..	..
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389
1970	1 772	42 540	89 928	262	24	687	1 135	436	48 776	314	439
1971	1 631	44 107	93 150	305	28	789	1 396	572	50 963	366	574
1972	1 567	49 387	102 814	370	35	1 004	1 894	865	57 111	448	869
1973	1 519	53 643	111 951	455	43	1 360	2 559	1 275	62 476	554	1 280
1974	1 530	49 194	103 535	490	49	1 315	2 330	976	58 346	605	983
1975	1 368	40 788	84 899	462	51	1 113	1 997	849	49 156	578	851
1976	1 213	47 838	100 890	642	69	1 604	2 878	1 262	56 408	774	1 298
1977	1 132	51 532	107 850	775	88	1 925	3 673	1 719	60 445	930	1 723
1978	1 226	56 101	117 730	906	107	2 426	4 694	2 257	66 457	1 098	2 260
1979	1 308	57 441	122 007	1 042	124	3 176	5 676	2 610	68 328	1 268	2 617
1980	1 317	55 903	118 761	1 132	141	3 122	5 278	2 085	66 278	1 379	2 089
1981	1 313	52 916	105 409	1 110	166	2 929	4 973	1 828	62 774	1 373	1 827
1982	1 230	44 878	86 592	1 027	188	2 608	4 387	1 489	53 698	1 286	1 494
1983	1 290	48 762	98 401	1 231	226	3 443	5 991	2 455	58 135	1 509	2 463
1984	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585	2 410
1985	1 211	49 616	103 606	1 355	254	3 861	6 863	2 777	58 961	1 676	2 786
1986	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216
1987r	1 093	..	..	..	252	4 879	8 714[b]	..	61 980	1 920	3 888
1988p	1 087	53 371	113 924	1 641	251	5 408	9 139	3 532	61 694	1 989	3 536

[a]Excluding working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 35-204, 35-250, and 31-203.

IV - 19. Veneer and Plywood Industries (S.I.C. 252) by Year, 1960-1988

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1960	76	9 856	..	35	3	76	138	61	..	..	..
1965	83	12 826	27 455	55	4	120	222	101	14 265	65	102
1970	90	10 973	21 616	68	5	152	262	104	12 259	80	106
1971	88	11 363	23 360	80	6	165	312	139	12 650	93	147
1972	84	12 213	24 788	92	7	202	393	182	13 664	108	187
1973	86	13 082	26 599	110	8	255	487	226	14 478	127	232
1974	82	11 863	23 562	112	9	262	463	198	13 291	133	206
1975	83	11 367	21 346	119	10	248	458	200	12 732	141	204
1976	81	11 635	23 179	147	13	311	584	266	13 003	171	270
1977	83	12 301	24 917	174	17	351	647	283	13 695	202	285
1978	86	12 555	25 319	192	20	423	844	402	14 067	222	406
1979	83	12 212	24 470	203	21	498	888	380	13 618	236	391
1980	84	10 990	22 453	206	23	483	840	333	12 363	243	345
1981	77	9 920	18 845	197	26	466	841	351	11 323	238	357
1982	82	9 084	15 772	185	27	360	645	248	10 344	225	254
1983	82	8 596	17 289	216	32	456	853	373	9 724	256	381
1984	81	8 037	15 632	200	31	453	795	317	9 174	241	323
1985	82	7 932	15 801	210	33	486	888	363	9 058	251	370
1986	78	7 679	14 476	185	30	455	916	434	8 780	225	439
1987r	78	..	..	..	33	622	..	..	9 347	265	496
1988p	84	8 233	17 169	241	32	571	1 050	449	9 305	283	452

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206, 35-250, and 31-203.

IV - 20. Sash, Door, and Other Millwork Industries (S.I.C. 254) by Year, 1960-1988

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	1 397	13 267	..	40	4	134	227	88	..	..	..
1965	1 007	11 106	24 868	41	3	115	209	93	14 122	58	99
1970	908	12 040	25 610	63	3	190	339	146	15 432	91	152
1971	902	12 933	27 820	73	4	223	396	172	16 494	105	180
1972	910	15 594	33 009	94	5	298	509	209	19 547	131	224
1973	943	17 078	36 298	115	6	389	658	274	21 675	163	291
1974	958	17 230	36 462	135	8	462	801	343	22 214	193	365
1975	944	18 409	38 629	165	8	519	928	405	23 083	229	433
1976	925	19 622	41 132	199	10	618	1 073	460	24 224	271	476
1977	891	18 169	38 025	200	11	607	1 079	468	22 641	275	495
1978	1 110	20 525	42 952	240	13	718	1 267	538	25 468	326	573
1979	1 228	21 067	44 175	268	15	818	1 438	618	25 972	360	652
1980	1 316	19 994	41 665	275	16	790	1 425	621	24 866	372	668
1981	1 358	20 447	42 183	321	21	905	1 701	795	25 559	436	852
1982	1 390	16 816	33 698	272	23	685	1 319	588	21 294	377	619
1983	1 440	18 488	37 930	321	26	872	1 641	759	22 925	437	791
1984	1 480	18 217	37 525	327	29	904	1 733	803	22 740	450	839
1985	1 512	21 469	45 157	390	33	1 066	2 045	951	25 884	514	995
1986	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640	1 227
1987r	1 538	..	..	..	39	1 835	..	..	35 474	774	1 467
1988p	1 675	32 156	67 579	663	46	1 816	3 376	1 523	37 781	870	1 602

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-205, 35-250, and 31-203.

IV - 21. Wooden Box and Pallet Industry (S.I.C. 256) by Year, 1965-1988

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	160	2 642	5 824	9	1	15	35	19	3 028	11	19
1970	162	2 668	5 668	13	1	25	54	28	3 115	17	28
1971	162	2 666	5 615	14	1	26	55	28	3 109	18	28
1972	157	2 747	5 828	15	1	31	62	30	3 218	19	30
1973	162	2 913	6 176	18	1	40	79	38	3 449	23	38
1974	177	3 192	6 828	22	1	57	105	47	3 731	28	47
1975	179	3 233	6 846	26	1	57	110	52	3 752	33	52
1976	166	2 938	6 216	26	2	57	111	53	3 430	33	53
1977	150	2 869	6 028	30	2	66	134	67	3 347	40	67
1978	161	2 940	6 112	30	2	77	139	61	3 470	39	61
1979	189	3 396	7 099	42	2	104	187	81	3 938	51	81
1980	192	3 017	6 310	38	2	102	189	85	3 547	48	85
1981	191	2 874	5 986	43	3	110	207	93	3 407	55	93
1982	208	2 741	5 662	41	4	97	188	87	3 274	52	88
1983	201	2 216	4 496	32	4	85	152	64	2 556	40	85
1984	212	2 422	4 991	38	4	105	191	82	2 759	46	83
1985	193	2 483	4 966	40	5	110	198	86	2 853	49	86
1986	206	2 676	5 443	43	5	120	218	92	3 084	54	95
1987r	207	..	..	..	5	143	..	..	3 508	62	109
1988p	226	3 087	6 411	55	5	145	259	110	3 491	68	114

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-209, 35-250, and 31-203.

IV - 22. Coffin and Casket Industry (S.I.C. 258) by Year, 1965-1988

		Manufacturing activity							Total activity		
		Production and releted workers							Total employees[a]		
Year	Estab-lishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	56	1 152	2 595	4	--	6	14	8	1 438	5	8
1970	45	1 006	2 194	5	--	7	17	10	1 260	7	10
1971	45	983	2 172	5	--	7	18	10	1 217	7	10
1972	43	973	2 113	5	--	8	18	10	1 202	7	10
1973	42	982	2 088	6	--	10	21	11	1 180	8	11
1974	43	1 000	2 051	6	--	13	25	13	1 230	9	13
1975	40	952	1 990	7	--	11	25	14	1 120	9	14
1976	38	837	1 803	7	--	10	23	12	965	8	13
1977	29	743	1 599	7	--	10	23	13	860	8	13
1978	31	721	1 507	7	--	13	27	15	846	9	15
1979	32	660	1 393	7	--	13	29	15	776	9	16
1980	38	707	1 488	9	1	15	32	16	828	11	17
1981	34	616	1 311	9	1	15	33	18	736	11	18
1982	33	643	1 340	10	1	17	36	19	741	12	19
1983	31	692	1 397	11	1	18	39	21	799	14	21
1984	31	623	1 201	10	1	18	39	20	722	12	20
1985	27	653	1 326	11	1	20	41	22	453	14	22
1986	27	622	1 316	12	1	19	43	24	717	15	24
1987r	25	..	..	..	1	19	..	..	708	15	24
1988p	25	648	1 368	13	1	21	48	28	751	16	28

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206, 35-250, and 31-203.

IV - 23. Other Wood Industries (S.I.C. 259) by Year, 1965-1988

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	277	4 762	10 276	17	2	45	86	40	5 795	23	41
1970	271	4 624	9 821	24	3	59	112	52	5 537	31	53
1971	260	4 773	10 079	27	3	64	126	60	5 726	35	61
1972	252	5 130	10 803	32	4	77	153	72	6 159	41	73
1973	237	5 367	11 298	36	5	90	184	91	6 459	47	93
1974	242	5 397	11 226	42	6	109	217	108	6 268	52	110
1975	237	5 336	11 112	48	7	121	222	100	6 265	59	101
1976	211	5 447	11 308	54	10	127	239	106	6 335	67	110
1977	186	5 049	10 536	57	11	142	282	124	5 918	72	126
1978	230	5 620	11 703	69	14	173	351	166	6 537	85	167
1979	252	6 396	13 424	86	18	226	436	201	7 430	107	204
1980	292	6 331	13 294	97	20	269	481	193	7 391	119	197
1981	302	5 972	12 354	107	26	307	558	235	7 059	133	239
1982	296	5 262	9 860	92	27	282	506	192	6 278	118	193
1983	311	5 328	10 529	105	32	360	615	223	6 287	132	226
1984	328	6 011	12 716	132	41	455	810	316	7 131	166	319
1985	344	6 668	14 013	146	40	507	890	349	7 779	180	352
1986	374	7 298	15 536	160	39	582	1 049	432	8 445	199	435
1987r	389	..	..	..	40	661	..	..	8 595	216	478
1988p	438	7 757	16 640	190	45	727	1 221	456	8 998	238	457

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-209, 35-250, and 21-203.

IV - 24. Wood Preservation Industry (S.I.C. 2591) by Year, 1965-1988

		Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	31	1 178	2 465	5	1	19	34	15	1 456	7	15
1970	34	1 048	2 212	7	1	21	39	17	1 357	10	18
1971	30	1 154	2 443	8	1	26	45	19	1 448	11	20
1972	31	1 148	2 509	9	1	27	51	22	1 485	12	22
1973	33	1 125	2 418	10	1	32	61	27	1 452	14	28
1974	36	1 281	2 622	13	2	42	80	39	1 506	16	41
1975	36	1 320	2 721	14	2	54	88	37	1 627	19	37
1976	36	1 199	2 341	13	2	49	81	32	1 481	18	34
1977	34	1 188	2 418	16	2	58	102	39	1 474	21	40
1978	38	1 446	2 985	20	3	69	120	48	1 733	25	48
1979	41	1 364	2 784	21	3	82	132	51	1 672	27	52
1980	40	1 416	2 900	26	3	94	150	56	1 687	31	59
1981	43	1 295	2 656	26	4	106	168	60	1 572	32	62
1982	45	1 128	2 168	24	6	100	166	61	1 388	31	61
1983	47	1 019	1 987	23	5	111	171	54	1 249	29	56
1984	50	1 185	2 453	30	7	154	236	75	1 443	37	78
1985	51	1 070	2 197	27	6	150	214	63	1 348	36	65
1986	59	1 190	2 328	28	6	174	250	74	1 480	39	76
1987r	61	..	..	..	8	200	..	..	1 559	40	84
1988p	71	1 184	2 426	30	5	229	314	85	1 477	43	87

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206, 35-250, and 31-203.

IV - 25. Particleboard and Waferboard Industries (S.I.C. 2592-2593) by Year, 1970-1988

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
A. Particleboard and waferboard											
1970	9	674	1 512	4	1	8	18	9	783	5	9
1971	11	846	1 766	5	1	11	25	13	1 007	7	13
1972	11	952	2 091	7	2	17	37	18	1 136	9	18
1973	11	1 028	2 248	8	2	17	47	27	1 240	10	27
1974	11	1 077	2 298	10	3	21	52	29	1 269	12	29
1975	14	1 192	2 413	13	3	26	51	23	1 377	16	22
1976	18	1 634	3 340	20	6	41	77	33	1 889	24	33
1977	17	1 590	3 221	21	8	48	102	45	1 841	26	44
1978	17	1 720	3 616	28	10	65	148	74	2 018	34	74
1979	18	2 056	4 310	35	13	86	183	89	2 407	43	89
1980	17	1 807	3 794	36	14	97	186	71	2 149	44	70
1981	21	1 974	4 096	44	18	118	226	95	2 366	55	95
B. Particleboard (S.I.C. 2592)											
1982	17	928	1 914	20	10	64	122	48	1 138	26	47
1983	19	1 014	1 972	23	11	81	149	57	1 223	31	57
1984	19	1 291	2 592	30	13	90	197	94	1 525	42	93
1985	23	1 353	2 872	36	14	120	228	94	1 683	47	93
1986	25	1 541	3 533	42	14	154	296	128	1 911	55	126
1987r	25	..	..	..	15	176	..	..	2 018	62	159
1988p	28	1 611	3 736	48	15	179	349	157	2 010	62	156
C. Waferboard (S.I.C. 2593)											
1982	10	971	1 505	17	8	45	78	21	1 142	22	21
1983	11	1 003	2 032	25	11	76	130	43	1 199	31	43
1984	11	1 210	2 727	34	16	111	189	62	1 429	41	61
1985	11	1 269	2 705	36	15	116	232	101	1 530	45	102
1986	11	1 182	2 572	36	14	118	248	117	1 393	44	115
1987r	11	..	..	..	14	133	..	..	1 506	50	116
1988p	13	1 518	3 462	51	17	169	285	99	1 858	65	97

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-208, 25-250, and 31-203.

IV - 26. Pulp and Paper Industries (S.I.C. 271) by Year, 1960-1988

		Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	126	53 313	..	260	111	658	1 583	815	..	..	..
1965	132	58 074	128 006	339	151	924	2 104	1 034	69 897	424	1 042
1970	139	62 025	134 291	512	204	1 334	2 851	1 323	80 371	701	1 331
1971	142	61 426	130 766	546	233	1 364	2 832	1 273	79 397	746	1 277
1972	141	61 196	131 426	594	244	1 484	3 128	1 374	78 969	803	1 380
1973	146	61 783	131 688	645	271	1 701	3 791	1 804	80 085	884	1 813
1974	147	66 584	142 883	803	400	2 307	5 703	3 034	86 203	1 097	3 049
1975	147	64 329	117 176	755	399	2 192	5 122	2 569	84 046	1 092	2 601
1976	147	66 946	139 464	1 033	546	2 733	5 993	2 845	86 995	1 416	2 876
1977	145	64 930	135 108	1 130	668	2 911	6 637	3 056	84 533	1 541	3 070
1978	144	66 039	138 834	1 253	798	3 255	7 649	3 504	85 601	1 697	3 508
1979	146	66 878	139 305	1 356	919	3 848	9 282	4 539	87 055	1 847	4 531
1980	144	66 252	137 699	1 486	1 037	4 605	10 908	5 350	86 872	2 050	5 355
1981	144	67 170	139 183	1 670	1 240	5 063	11 619	5 406	87 882	2 310	5 401
1982	142	62 626	129 840	1 729	1 376	4 877	10 689	4 535	83 104	2 442	4 515
1983	137	60 200	125 563	1 838	1 522	5 092	11 082	4 410	79 164	2 528	4 380
1984	142	61 018	129 952	1 922	1 736	5 633	13 112	5 845	79 404	2 638	5 802
1985	137	58 830	126 105	2 047	1 751	5 867	13 407	5 773	77 562	2 811	5 720
1986	142	60 386	128 137	2 189	1 619	6 335	15 072	7 020	79 570	2 999	6 974
1987r	144	..	..	..	1 622	7 867	17 637[b]	..	80 334	3 114	8 852
1988p	145	80 874	132 312	2 405	1 672	7 991	19 851	10 286	81 058	3 331	10 181

[a]Excluding working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 36-204, 36-250, and 31-203.

IV - 27. Asphalt Roofing Industry (S.I.C. 272) by Year, 1965-1988

		Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	21	1 291	2 899	6	1	30	58	26	1 942	10	30
1970	14	618	1 436	4	1	22	39	17	1 141	9	19
1971	14	727	1 706	6	1	29	51	22	1 218	10	25
1972	14	815	1 919	7	1	34	63	28	1 277	12	31
1973	15	919	2 088	8	1	41	77	33	1 375	13	37
1974	15	916	2 109	9	2	54	102	49	1 403	15	52
1975	15	963	2 189	11	2	69	121	51	1 438	18	53
1976	15	1 034	2 177	13	3	87	148	60	1 549	21	63
1977	15	998	2 127	14	4	91	154	62	1 540	22	64
1978	17	1 043	2 169	15	4	111	179	64	1 467	23	67
1979	18	997	2 067	15	5	138	209	72	1 471	24	81
1980	17	891	1 874	15	5	160	244	78	1 393	26	92
1981	16	806	1 637	15	6	167	269	90	1 301	27	100
1982	16	768	1 562	15	7	162	271	102	1 269	26	107
1983	17	1 025	2 103	25	8	215	306	89	1 424	36	102
1984	17	1 168	2 366	27	12	216	354	131	1 537	38	133
1985	18	1 177	2 472	29	13	223	367	134	1 562	41	136
1986	19	1 333	2 838	35	15	233	450	198	1 904	54	208
1987r	19	..	..	..	15	295	..	..	2 008	62	205
1988p	17	1 292	2 621	37	12	213	433	203	1 869	59	209

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215, 36-250, and 31-203.

IV - 28. Paper Box and Bag Industries (S.I.C. 273) by Year, 1965-1988

		Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	244	15 898	34 274	102	3	284	458	172	20 952	100	173
1970	269	17 505	37 569	108	5	389	656	266	23 497	160	270
1971	268	17 527	37 231	116	6	412	701	285	23 387	170	290
1972	268	18 393	39 435	132	7	455	771	313	24 335	191	320
1973	265	19 249	40 698	150	7	518	881	358	25 282	214	366
1974	269	20 187	41 236	177	9	718	1 182	480	26 247	252	498
1975	286	18 791	38 173	182	11	698	1 171	458	24 799	266	470
1976	284	18 882	38 509	215	13	784	1 310	526	24 891	306	537
1977	280	18 086	37 675	231	16	811	1 355	525	23 837	329	528
1978	296	18 680	38 925	252	18	904	1 502	589	24 259	351	591
1979	316	19 125	39 688	276	21	1 057	1 718	653	24 607	382	657
1980	331	19 713	40 238	306	25	1 226	2 000	765	25 443	430	767
1981	331	19 255	39 496	349	31	1 452	2 303	832	25 131	492	835
1982	255	14 087	28 519	275	26	1 115	1 800	664	18 492	394	667
1983	248	14 447	29 270	313	29	1 217	1 989	752	18 641	435	750
1984	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473	819
1985	251	14 919	30 065	366	35	1 493	2 369	848	19 174	504	847
1986	253	14 996	30 960	391	33	1 567	2 496	895	19 214	533	897
1987r	250	..	..	..	35	1 710	..	..	19 769	563	985
1988p	256	15 879	32 985	431	39	1 933	3 009	1 091	20 837	614	1 092

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-216, 36-250, and 31-203.

IV - 29. Other Converted Paper Products Industries (S.I.C. 279) by Year, 1965-1988

		Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	204	8 731	18 892	37	3	147	262	115	12 215	58	120
1970	213	10 531	22 240	60	4	208	384	176	16 071	108	197
1971	218	10 406	22 108	63	4	219	416	193	15 707	113	212
1972	231	10 784	22 613	71	5	239	453	213	16 177	124	231
1973	223	11 172	23 409	82	5	276	522	243	16 396	137	261
1974	219	12 009	24 733	98	7	377	690	326	17 422	162	347
1975	217	11 711	23 755	107	7	389	717	320	17 059	178	345
1976	215	11 473	23 469	119	9	435	778	343	16 772	195	368
1977	207	10 230	21 030	115	10	426	793	360	14 553	187	370
1978	242	11 120	22 728	134	13	477	867	382	15 456	211	399
1979	252	11 667	23 926	156	15	611	1 077	469	15 785	238	488
1980	272	12 215	24 979	179	18	795	1 351	544	16 802	278	556
1981	267	12 260	25 209	210	23	912	1 539	615	16 710	317	630
1982	260	10 443	21 665	197	25	910	1 502	568	14 804	317	586
1983	270	10 703	21 839	216	26	943	1 634	678	15 079	342	709
1984	270	11 357	22 862	237	29	1 041	1 768	709	15 854	367	738
1985	282	11 551	23 781	257	32	1 128	1 931	799	15 889	389	821
1986	284	12 165	25 205	277	30	1 222	2 047	822	16 375	417	840
1987r	281	..	..	..	32	1 423	..	..	17 215	446	918
1988p	290	12 931	25 631	310	33	1 334	2 370	955	17 311	474	1 003

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215, 36-250, and 31-203.

IV - 30. Manufacturing Industries, 1987r

Manufacturing industries[b]	S.I.C.[c]	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods[d]	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
				1 000			$000 000				$000 000	
A. Forestry												
Sawmills, planing mills	2512	1 093	..	..	..	252	4 879	8 714	..	61 980	1 920	3 888
Shingle and shake industry	2511	114	..	..	..	5	140	..	..	2 043	53	86
Pulp and paper mills	271	144	..	..	..	1 622	7 867	17 637	..	80 334	3 114	8 852
Other wood industries	252-259	2 217	..	..	..	117	3 281	..	..	57 632	1 332	2 574
Other paper industries	272-279	550	..	..	..	82	3 429	..	..	39 012	1 071	2 108
Furniture and fixtures	261-269	1 822	..	..	..	55	2 254	..	..	61 584	1 227	2 219
Printing and publishing	281-284	5 276	..	..	..	90	4 499	..	..	127 543	3 540	7 091
B. Agriculture												
Food, feed, beverage, tobacco	101,103-122	3 051	..	..	..	618	30 589	..	..	203 305	5 707	15 853
C. Fishing												
Fish products	102	414	..	..	..	44	2 968	..	..	31 171	530	1 108
D. Mining												
Smelting and refining	291, 295	94	..	..	..	932	6 677	..	..	75 890	2 943	6 476
Metal semi-fabricating products	292-294, 296-299, 351-359	1 880	..	..	..	664	7 025	..	..	85 020	2 564	6 086
Metal-fabricated products	301-309	5 498	..	..	..	252	9 594	..	..	156 951	3 954	8 133
E. Energy												
Petroleum and coal products	361-369	126	..	..	..	307	15 524	..	..	15 148	708	2 067
F. Other												
Machinery (except electrical)	311-319	1 908	..	..	..	101	5 549	..	..	82 422	2 183	4 224
Transportation equipment	321-329	1 514	..	..	..	368	45 995	..	..	218 368	7 066	14 855
Electrical products	331-339	1 439	..	..	..	145	9 496	..	..	143 837	4 068	8 701
Chemicals, chemical products	371-379	1 306	..	..	..	932	12 458	..	..	89 030	3 003	10 153
Textile and clothing	181-249	3 467	..	..	..	210	7 500	..	..	172 706	3 212	6 249
Miscellaneous products	151-169, 171, 391-399	4 877	..	..	..	259	9 463	..	..	160 042	3 637	7 567
G. Total	...	36 790	..	..	..	7 054	189 187	272 128	..	1 864 018	51 832	118 290

[a]Excluding working owners and partners.
[b]Excluding primary industries.
[c]1980 Standard Industrial Classification.
[d]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

SECTION V

EMPLOYMENT

Labour Force Survey

Labour Force Survey statistics are based on information obtained through a sample survey of households. Interviews are carried out in about 48 000 representative households across the country.

The sample used in the surveys of the labour force has been designed to represent all persons in the population 15 years of age and over residing in Canada, with the exception of the following: residents of the Yukon and Northwest Territories, persons living on Indian reserves, inmates of institutions, and full-time members of the armed forces.

A comprehensive description of the design of the Labour Force Surveys and a complete list of Self-Representative Units, can be found in "Methodology of the Canadian Labour Force Survey," Statistics Canada, Catalogue 71-526, Ottawa, 1976.

Employment: Employed persons are those who, during the reference week: a) did any work at all; b) had a job, but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, vacation, or other reasons (excluding persons on layoff and those with a job to start at a definite date in the future).

Census of Manufactures

The Census of Manufactures is an annual survey of the manufacturing industries of Canada.

Data are accepted for any fiscal year ending not earlier than April 1 of the reference year, nor later than March 31 of the following year. However, data of small establishments based on financial statements submitted to Revenue Canada relate to the taxation year, that is, any reporting year ending in the calendar year. These practices should be kept in mind in comparing census data with those compiled on a calender year basis.

For detailed definitions and some qualifications to the preceding explanations, see Concepts and Definitions of the Census of Manufactures, Catalogue 31-528.

Employment: Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those at the establishment engaged in processing, assembling, storing, inspecting, handling, packing, maintenance, repair, janitorial and security services, and working foremen. Administrative office and other non-manufacturing employees include all functions at head offices, sales offices, and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

V - 1. Employment by Industry Sector[a], 1970-1990

	Forestry related							Mining related				Agriculture related			Fishing					
			Wood industries		Paper and allied industries															
Year	Logging	Forestry services	Sawmills, planing, shingle mills	Total	Pulp and paper mills	Total	Printing, publishing, furniture, fixture	Crude ores concentrates	Smelting and refining	Metal semi fabricating	Metal fabricating	Agriculture	Agriculture services	Food, feed, beverage, tobacco[b]	Fishing, fishing services	Fish products	Energy	Construction	Other	Total
										1 000 persons										
1970	..	..	..	..	..	..	..	..	..	..	..	513	..	..	..	..	..	467	..	**7 919**
1975	50	10	54	93	91	130	171	109	86	90	161	483	14	223	21	21	153	603	6 866	**9 284**
1976	61	9	74	117	103	143	168	111	92	100	147	472	15	235	19	24	163	635	6 966	**9 477**
1977	58	12	69	118	92	128	180	108	87	97	148	464	15	235	19	26	168	634	7 154	**9 651**
1978	64	13	77	130	97	140	187	103	88	105	152	474	13	241	21	32	191	634	7 399	**9 987**
1979	65	12	84	140	99	141	188	106	92	97	165	484	14	235	28	37	198	644	7 749	**10 395**
1980	61	10	78	135	101	143	197	120	110	99	172	479	16	232	32	37	217	624	8 024	**10 708**
1981	66	11	78	139	100	145	197	125	118	96	179	473	15	240	33	35	296	651	8 182	**11 001**
1982	51	11	58	107	92	136	204	96	97	85	147	450	15	230	31	33	274	595	8 056	**10 618**
1983	63	11	62	114	86	124	206	90	89	78	133	463	17	226	35	33	260	562	8 171	**10 675**
1984	62	13	64	115	90	125	209	96	89	83	137	459	21	217	32	32	218	564	8 460	**10 932**
1985	56	11	58	108	87	120	205	105	94	87	140	457	19	223	32	29	222	579	8 734	**11 221**
1986	56	11	62	122	78	111	222	98	90	81	152	444	23	216	36	34	214	618	9 003	**11 531**
1987	54	14	66	131	83	120	235	102	95	83	158	439	23	224	36	33	207	673	9 234	**11 861**
1988	60	11	64	136	98	132	231	102	110	82	157	423	21	225	40	36	219	726	9 533	**12 244**
1989	56	13	66	135	105	145	241	107	120	62	155	404	24	220	39	34	220	764	9 747	**12 486**
1990	48	14	60	126	96	131	..	..	..	..	..	..	..	..	..	..	..	..	..	**12 572**

[a] Unadjusted series.
[b] Excluding fish products.

Source: Statistics Canada Cat. No. 71-201, Labour Force Survey.

V - 2. Employment by Province*, 1970-1990

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
						1 000 persons					
A. Employed labour force											
1970	129	35	256	192	2 128	3 037	371	333	633	805	**7 919**
1975	152	42	292	224	2 434	3 576	417	365	788	995	**9 284**
1976	157	42	292	226	2 456	3 643	425	378	838	1 021	**9 477**
1977	159	43	292	224	2 476	3 708	428	390	880	1 050	**9 651**
1978	162	45	303	234	2 530	3 835	439	398	937	1 103	**9 987**
1979	170	46	311	243	2 619	3 993	450	411	1 007	1 144	**10 395**
1980	178	47	321	249	2 694	4 053	458	417	1 078	1 213	**10 708**
1981	179	47	322	253	2 723	4 171	461	425	1 151	1 270	**11 001**
1982	173	45	313	242	2 574	4 063	454	426	1 127	1 202	**10 618**
1983	172	48	319	245	2 616	4 089	459	434	1 102	1 190	**10 675**
1984	174	49	335	247	2 692	4 235	470	436	1 104	1 191	**10 932**
1985	174	50	333	255	2 768	4 377	475	446	1 124	1 220	**11 221**
1986	179	51	341	262	2 825	4 524	486	452	1 142	1 270	**11 531**
1987	183	52	350	272	2 918	4 689	492	453	1 147	1 306	**11 861**
1988	193	54	366	280	3 001	4 862	494	451	1 187	1 358	**12 244**
1989	201	54	373	284	3 031	4 949	498	446	1 214	1 435	**12 486**
1990	201	55	379	291	3 055	4 937	505	449	1 231	1 469	**12 572**
B. Unemployment rate (%)											
1970	7.3	x	5.3	6.3	7.0	4.4	5.3	4.2	5.1	7.7	**5.7**
1975	14.0	8.0	7.7	9.8	8.1	6.3	4.5	2.9	4.1	8.5	**6.9**
1976	13.3	9.6	9.5	11.0	8.7	6.2	4.7	3.9	4.0	8.6	**7.1**
1977	15.5	9.8	10.6	13.2	10.3	7.0	5.9	4.5	4.5	8.5	**8.1**
1978	16.2	9.8	10.5	12.5	10.9	7.2	6.5	4.9	4.7	8.3	**8.3**
1979	15.1	11.2	10.1	11.1	9.6	6.5	5.3	4.2	3.9	7.6	**7.4**
1980	13.3	10.6	9.7	11.0	9.8	6.8	5.5	4.4	3.7	6.8	**7.5**
1981	13.9	11.2	10.1	11.5	10.3	6.6	5.9	4.6	3.8	6.7	**7.5**
1982	16.7	12.9	13.1	14.1	13.8	9.7	8.5	6.1	7.7	12.1	**11.0**
1983	18.7	12.2	13.2	14.8	13.9	10.3	9.4	7.3	10.6	13.8	**11.8**
1984	20.2	12.8	13.0	14.8	12.8	9.0	8.4	8.0	11.1	14.7	**11.2**
1985	20.8	13.3	13.6	15.1	11.8	8.0	8.2	8.1	10.0	14.1	**10.5**
1986	19.2	13.4	13.1	14.3	11.0	7.0	7.7	7.7	9.8	12.5	**9.5**
1987	17.9	13.2	12.3	13.1	10.3	6.1	7.4	7.4	9.6	11.9	**8.8**
1988	16.4	13.0	10.2	12.0	9.4	5.0	7.8	7.5	8.0	10.3	**7.8**
1989	15.8	14.1	9.9	12.5	9.3	5.1	7.5	7.4	7.2	9.1	**7.5**
1990	17.1	14.9	10.5	12.1	10.1	6.3	7.2	7.0	7.0	8.3	**8.1**

*Unadjusted series.

Source: Statistics Canada, Cat. No. 71-201, Labour Force Survey.

V - 3. Employment in the Forest Industries by Sector[a], 1961-1988

		Wood industries						Paper and allied industries			
Year	Logging	Sawmills and planing mills	Shingle and shake industry	Veneer and plywood industries	Sash door, and other millwork industries	Other wood industries	Total	Pulp and paper mills	Other paper industries	Total	Total forest industries
1961	..	46 688	..	..	..	35 397	82 085	63 789	34 503	98 292	..
1965	60 701	50 848	1 527	14 265	14 122	10 826	91 588	69 897	40 283	110 180	262 469
1970	52 230	48 776	1 450	12 259	15 432	9 912	87 829	80 371	40 709	121 080	261 139
1971	47 284	50 963	1 687	12 650	16 494	10 052	91 846	79 397	40 312	119 709	258 839
1972	47 553	57 111	1 798	13 664	19 547	10 579	102 699	78 969	41 789	120 758	271 010
1973	57 586	62 476	1 883	14 478	21 675	11 088	111 600	80 085	43 053	123 138	292 324
1974	59 491	58 346	1 540	13 291	22 214	11 229	106 620	86 203	45 072	131 275	297 386
1975	53 622	49 156	1 609	12 732	23 083	11 127	97 717	84 046	43 296	127 342	278 681
1976	49 878	56 408	1 813	13 003	24 224	10 730	106 178	86 995	43 212	130 207	286 263
1977	49 445	60 445	1 754	13 695	22 641	10 125	108 660	84 533	39 930	124 463	282 568
1978	53 753	66 457	2 159	14 067	25 468	10 853	119 004	85 601	41 182	126 783	299 540
1979	56 614	68 328	1 986	13 618	25 972	12 144	122 048	87 055	41 863	128 918	307 580
1980	54 370	66 278	2 034	12 363	24 866	11 766	117 307	86 872	43 438	130 310	301 987
1981	48 402	62 774	1 712	11 323	25 559	11 202	112 570	87 882	43 142	131 024	291 996
1982	40 156	53 698	1 421	10 344	21 294	10 293	97 050	83 104	34 565	117 669	254 875
1983	45 943	58 135	1 539	9 724	22 925	9 642	101 965	79 164	35 144	114 308	262 216
1984	48 022	58 767	1 648	9 174	22 740	10 612	102 941	79 404	36 395	115 799	266 762
1985	45 962	58 961	2 272	9 058	25 884	11 385	107 560	77 562	36 625	114 187	267 709
1986	45 760	56 688	2 550	8 780	30 692	12 256	110 966	79 570	37 493	117 063	273 789
1987r	48 381	61 980	2 043	9 347	35 474	12 811	121 655	80 334	39 012	119 346	289 382
1988p	47 144	61 694	1 914	9 305	37 781	13 240	123 934	81 058	40 017	121 075	292 153

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202, *Census of manufactures*.

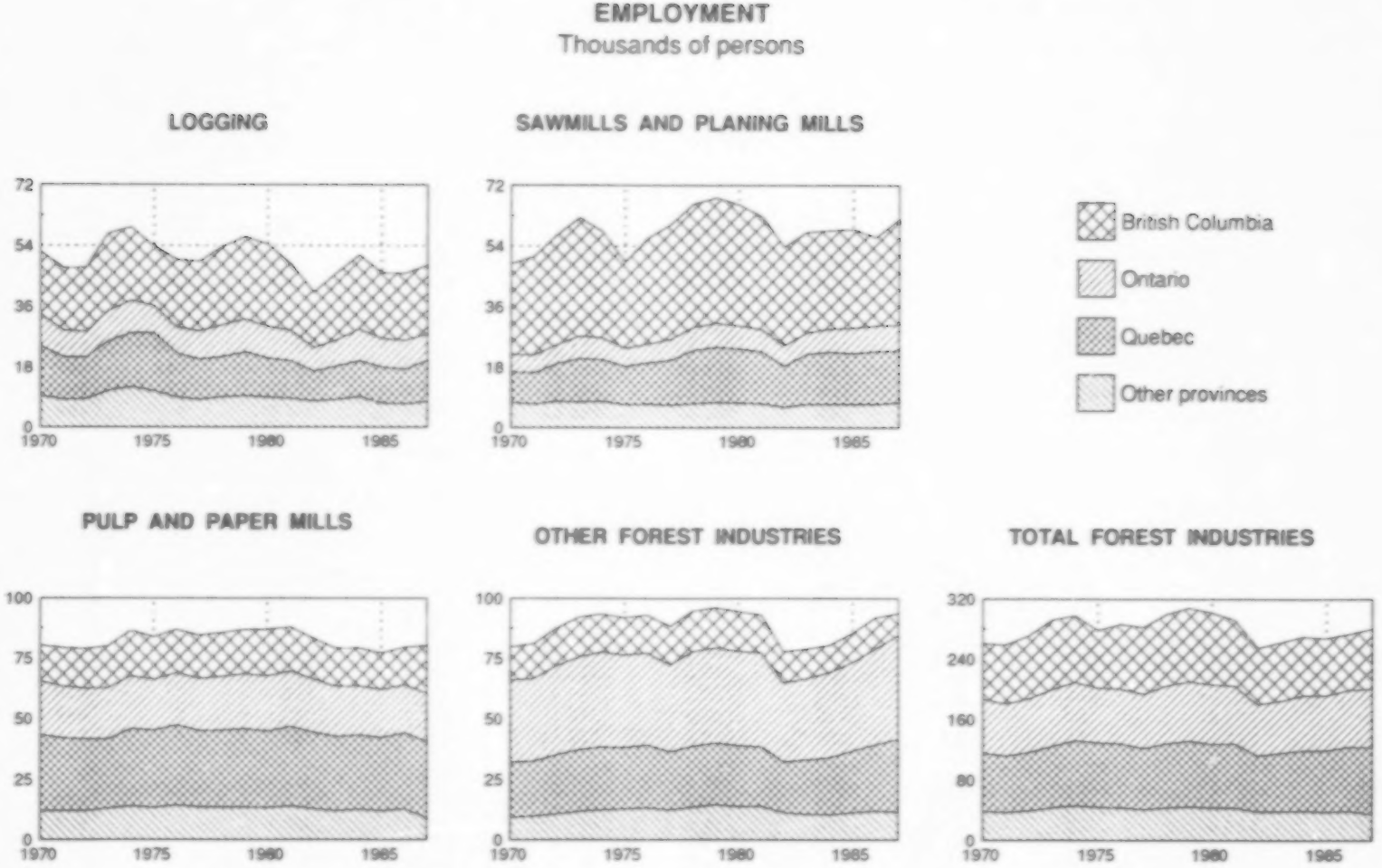

Figure 26. Employment in the forest industries by sector and region, 1970-1987.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

V - 4. Employment by Forest Industry Sector and Province[a], 1970-1988

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
A. Logging											
1970	2 439	-	1 523	3 539	14 815	9 567	386	549	747	18 581	52 230
1975	2 319	-	1 592	4 134	17 288	8 028	769	851	1 141	17 500	53 622
1976	1 588	-	1 117	3 852	13 135	7 694	670	616	1 052	20 154	49 878
1977	1 625	-	1 098	3 547	11 834	8 447	567	511	980	20 826	49 445
1978	1 324	-	1 228	4 289	11 959	9 583	578	616	1 041	23 168	53 753
1979	x	x	1 178	4 377	13 065	9 684	500	682	1 151	24 474	56 614
1980	x	x	1 083	4 140	11 575	9 578	527	605	1 020	24 270	54 370
1981	1 580	5	1 030	3 808	11 257	9 003	578	599	981	19 581	48 402
1982	1 614	12	1 021	3 188	8 994	7 079	449	575	853	16 371	40 156
1983	1 328	9	1 190	4 051	9 881	7 826	446	560	746	19 906	45 943
1984	1 241	11	1 244	3 217	10 504	9 326	554	617	722	20 585	48 022
1985	1 205	x	1 472	2 831	10 802	8 482	423	532	714	19 488	45 962
1986	1 067	18	1 246	2 970	10 363	8 527	352	506	863	19 848	45 760
1987r	939	x	1 500	3 224	12 342	7 932	444	523	990	20 449	48 381
1988p	1 008	25	1 403	3 614	11 734	7 566	445	379	1 092	19 871	47 144
B. Wood industries											
1970	429	59	2 182	3 605	19 483	16 664	1 233	933	4 852	38 329	87 829
1975	462	x	2 210	3 838	23 959	19 284	1 957	1 593	5 614	38 655	97 717
1976	392	87	2 234	3 949	25 239	19 872	1 903	1 552	6 250	44 845	106 178
1977	380	110	2 001	3 487	25 345	20 110	1 835	1 656	6 100	47 605	108 660
1978	414	194	2 203	3 759	29 132	21 942	1 998	1 803	6 571	50 955	119 094
1979	374	x	2 151	4 338	29 782	22 902	2 060	1 867	6 967	51 369	122 048
1980	330	162	1 980	4 245	29 213	21 348	1 993	1 596	6 634	49 708	117 307
1981	334	128	1 802	3 956	27 976	20 970	2 158	1 620	6 904	46 627	112 570
1982	263	112	1 618	3 151	23 566	19 011	1 852	1 343	5 765	40 309	97 050
1983	380	139	1 879	3 510	27 367	19 562	2 010	x	5 418	40 392	101 965
1984	335	219	1 867	3 503	28 603	20 840	1 932	1 233	5 508	38 901	102 941
1985	445	208	1 995	3 764	29 588	23 207	2 104	1 260	5 386	39 603	107 560
1986	399	207	2 053	4 205	31 891	25 852	2 223	1 264	5 668	37 204	110 966
1987r	472	235	2 145	4 441	34 250	28 040	2 211	1 354	6 082	42 425	121 655
1988p	478	272	2 235	4 620	34 149	29 185	2 474	1 445	6 793	42 283	123 934

V - 4. Employment by Forest Industry Sector and Province[a], 1970-1988 (concluded)

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
C. Paper and allied industries											
1970	x	-	2 850	5 575	43 743	44 894	1 835	x	1 622	17 089	121 080
1975	x	-	3 309	5 898	44 695	45 178	2 284	x	2 208	20 225	127 342
1976	x	-	3 326	6 433	45 923	45 645	2 240	x	2 336	20 404	130 207
1977	x	-	3 338	6 124	43 633	43 488	2 089	x	2 254	20 320	124 483
1978	x	-	3 513	5 980	43 736	45 209	2 159	x	2 338	20 655	126 783
1979	x	-	3 175	6 145	44 333	46 172	x	x	2 575	20 998	128 918
1980	x	-	3 163	6 016	43 556	47 861	2 408	x	2 384	21 540	130 310
1981	x	-	3 240	x	45 011	47 381	2 361	x	2 499	20 660	131 024
1982	x	-	x	5 484	41 457	41 587	2 041	x	2 210	18 458	117 689
1983	x	-	2 877	5 143	40 829	41 001	1 859	x	2 239	17 390	114 308
1984	x	-	2 993	5 738	41 107	41 690	1 746	x	2 187	17 433	115 799
1985	x	-	3 102	5 609	41 231	40 990	1 526	x	2 264	16 850	114 187
1986	x	-	3 136	6 351	42 470	41 429	1 507	x	2 297	17 254	117 063
1987r	x	-	3 244	6 125	43 259	42 316	1 682	x	2 361	17 652	119 346
1988p	x	x	3 425	6 291	43 203	42 794	1 755	x	2 479	18 207	121 975
D. Forest industries											
1970	x	x	6 555	12 779	78 041	71 125	3 454	x	7 221	73 999	281 139
1975	x	x	7 111	13 870	85 942	72 490	5 010	x	8 963	76 280	278 681
1976	x	87	6 687	14 224	84 297	73 211	4 813	x	9 636	85 203	286 293
1977	x	110	6 437	13 158	80 812	72 045	4 491	x	9 334	88 761	282 568
1978	x	194	6 945	14 008	84 827	76 720	4 735	x	9 850	94 778	299 540
1979	x	x	6 504	14 880	87 180	78 758	x	x	10 693	96 841	307 580
1980	x	x	6 228	14 446	84 344	78 787	4 928	x	10 038	95 518	301 987
1981	x	133	6 172	x	84 244	77 354	5 097	x	10 384	86 848	291 996
1982	x	124	x	11 823	74 017	67 687	4 342	x	8 828	75 138	254 875
1983	x	148	5 946	12 704	78 077	68 389	4 315	x	8 403	77 688	262 216
1984	x	230	6 104	12 458	80 214	71 167	4 232	x	8 417	76 920	266 762
1985	x	x	6 569	12 204	81 621	72 679	4 053	x	8 364	75 941	267 709
1986	x	225	6 435	13 526	84 724	75 808	4 082	x	8 828	74 306	273 789
1987r	x	x	6 889	13 790	89 851	78 288	4 337	x	9 433	80 536	289 382
1988p	x	x	7 063	14 525	89 086	79 545	4 674	x	10 364	80 361	292 153

[a] Census of manufactures.
[b] Including Yukon and Northwest Territories.

Source: Statistics Canada Cat. No. 25-202.

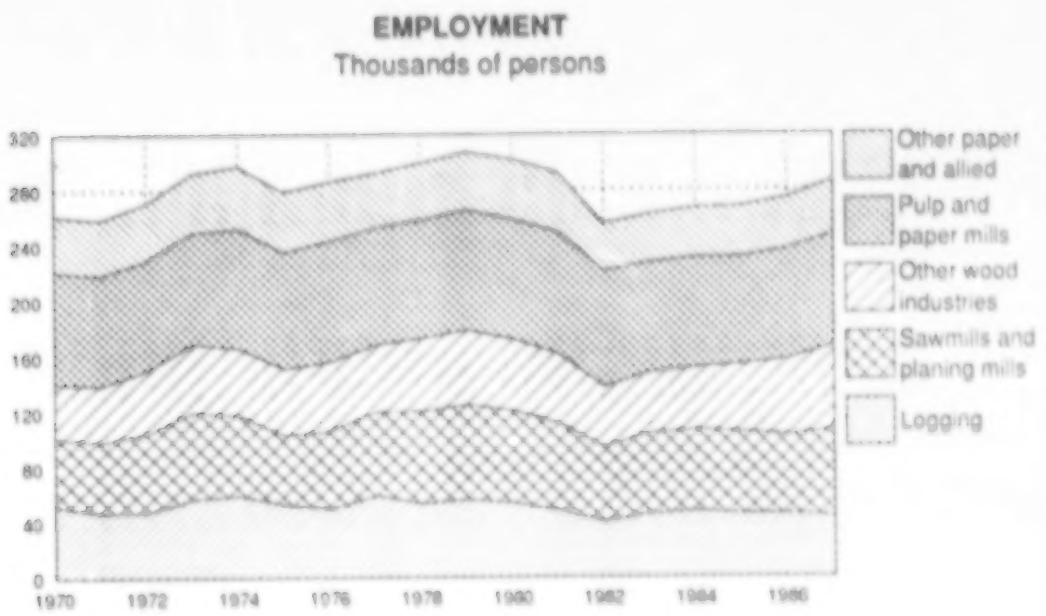

Figure 27. Employment in the forest industries by sector, 1970-1987.

Source: Statistics Canada, Census of manufactures, Cat. No. 25-202

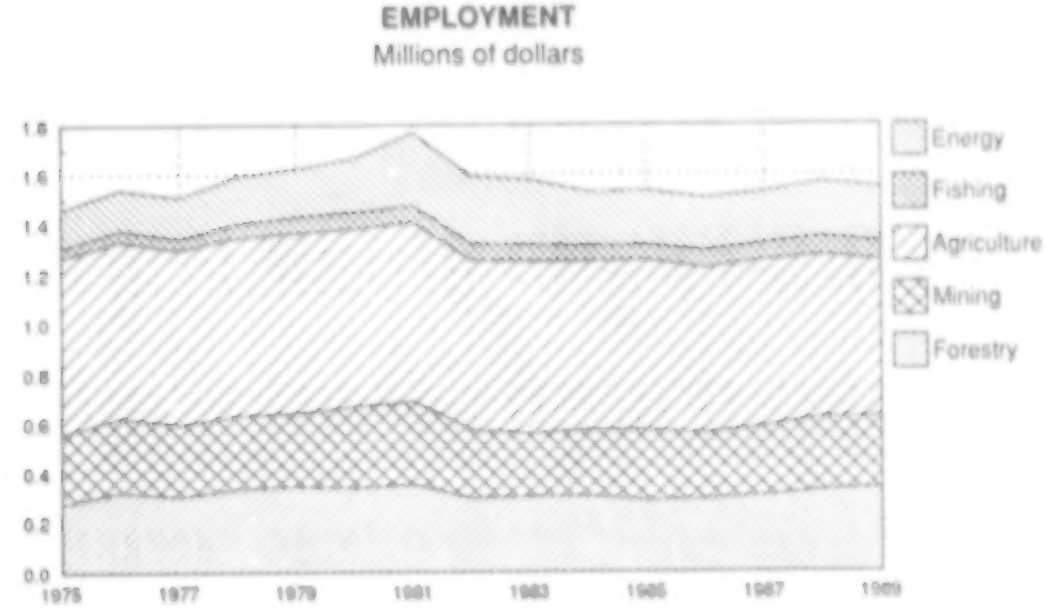

Figure 28. Employment by industry sector, 1975-1989.

Source: Statistics Canada, Cat. No. 71-201 and Labour Force Survey

SECTION VI

SELLING PRICE INDEXES AND

ANNUAL AVERAGE PRICES

The Industrial Product Price Indexes measure price changes for major commodities sold by Canadian manufacturers. Elemental indexes are calculated for 1314 Principal Commodity Group outputs as defined in the 1981 Input/Output (I/O) table. Weights used to aggregate commodity indexes are taken from the output or "Make" matrix of the I/O system which provides an integrated set of commodity values for all manufacturing industries.

About 10 000 prices are collected monthly from about 3 000 producers for goods sold which are valued at the boundary of the establishment, so that the cost of taxes collected at that point and transportation provided by public carriers beyond that point are excluded. Prices are reported in great detail for some transactions, enabling both the goods and the terms of sale to be identified. Such collections are instituted for important commodities. The sample size is increased where price movement has a regional aspect or where there are large flows of goods to export markets.

Sampling for the direct survey of an elemental indicator is usually done by a formal probability sampling procedure, wherein important producers are "must take" respondents and a random selection is made of the smaller producers. Such samples are redesigned according to a regular cycle as dictated by changes in the market. A given elemental indicator is usually supported by 12 to 15 price quotes, although some are derived from as few as 8 quotes or as many as 30 quotes.

The 1981 = 100 industry aggregation of elemental commodities can be directly related to the 1971 = 100 Industry Selling Price Indexes which are available from 1956 to 1987. Link factors, derived from the relationship of the two series in December 1985, were published in the January issue of Catalogue 62-011.

In 1988, the time series related to forest products have been modified to accomodate actual needs. The new time series are only available as of 1981.

VI - 1. Selected Forest Industry Selling Price Indexes, 1956-1989 (1981 = 100)

Year	Wood industries				Paper and allied industries		All manufacturing industries
	Sawmills and planing mills	Shingle mills	Veneer and plywood mills	Total	Pulp and paper mills	Total	
1956	33.6	18.4	31.8	29.3	25.5	27.0	29.1
1960	31.9	16.8	27.9	28.5	26.0	27.6	30.2
1965	34.7	22.1	30.1	31.3	27.6	29.1	31.6
1970	37.7	27.2	33.8	36.6	30.5	32.6	36.0
1975	63.5	58.3	59.8	61.7	57.4	58.3	56.4
1976	71.3	74.5	63.6	68.4	58.2	59.7	59.3
1977	83.0	90.0	65.8	76.9	62.1	63.2	64.0
1978	100.9	104.0	82.8	91.8	65.7	66.7	69.9
1979	119.5	102.9	90.9	106.3	78.4	78.3	80.0
1980	105.8	99.9	89.3	99.7	91.1	90.6	90.7
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	98.5	95.9	93.2	99.6	101.3	103.3	106.7
1983	111.4	113.2	101.1	109.8	95.1	99.9	110.4
1984	106.3	119.0	97.4	107.6	108.4	111.2	115.4
1985	107.8	107.2	100.2	109.7	108.5	112.6	118.6
1986	117.6	112.8	115.5	118.9	113.9	117.3	119.6
1987	119.3	115.9	115.5	122.0	126.6	128.4	122.8
1988	122.1	133.6	113.7	124.7	139.9	140.6	128.1
1989	125.2	137.6	121.6	128.5	143.3	144.6	131.1

Source: Statistics Canada Cat. No. 62-011.

VI - 2. Selling Price Indexes - Lumber Products, 1981-1989

	Softwood lumber		Softwood lumber by species			Softwood lumber market		Softwood lumber by region					
			Douglas-fir	Western red cedar	Spruce-pine-fir	Northern American	Overseas					B.C.	
Year	Domestic	Export	B.C. Coast	B.C.	Canada	B.C. Coast	B.C. Coast	Atlantic	Que.	Ont.	Prairies	Interior	Coast
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	98.6	96.6	95.0	105.3	94.4	102.9	97.8	94.2	96.1	95.3	93.4	95.3	100.5
1983	120.3	121.6	104.0	134.3	120.9	130.4	99.7	118.8	118.5	115.3	117.6	122.0	120.8
1984	116.2	111.1	99.2	130.1	110.7	121.4	97.8	120.1	113.4	113.4	109.1	110.0	113.4
1985	113.3	113.1	104.9	117.7	113.3	118.4	102.1	119.4	117.5	115.8	115.1	111.0	115.4
1986	123.5	127.3	111.8	130.0	128.7	129.1	118.0	131.4	126.9	123.0	125.4	127.4	127.3
1987	123.0	125.9	112.3	131.2	123.4	131.6	153.4	144.8	127.0	117.9	111.7	122.9	132.0
1988	126.9	127.2	125.9	139.6	117.3	137.1	186.7	133.2	120.5	107.3	107.7	123.7	143.2
1989	123.5	127.6	140.3	136.1	114.6	137.3	195.4	123.5	115.8	104.2	104.9	124.2	146.3

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 3. Selling Price Indexes - Wood Pulp and Paper Products, 1981-1989

Year	Total	Wood pulp				Paper products						
		Sulphite bleached		Sulphate bleached		Newsprint		Other paper for printing	Fine papers n.e.s.	Wrapping paper	Paperboard	Building board
		Domestic	Export	Domestic	Export	Domestic	Export					
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	94.0	92.3	92.4	95.1	93.6	109.3	104.7	105.7	105.8	105.7	105.6	106.2
1983	81.8	76.0	79.7	85.7	80.9	104.8	98.7	105.5	106.5	102.5	110.2	109.3
1984	101.7	91.6	97.1	104.4	102.3	115.1	109.6	113.9	114.8	107.4	120.4	112.3
1985	88.1	85.1	83.7	93.4	87.3	126.5	119.7	121.5	116.2	109.8	123.7	118.5
1986	97.7	91.3	95.6	100.8	98.2	128.8	123.0	122.4	119.6	115.7	125.4	118.0
1987	121.0	116.4	119.2	127.0	122.4	136.2	129.2	126.1	127.9	125.7	134.6	115.2
1988	141.1	132.3	138.3	149.2	143.0	152.1	137.5	138.8	139.4	136.5	144.1	115.2
1989	156.5	152.5	152.9	162.5	159.8	151.6	129.4	141.5	144.9	140.8	147.6	112.4

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 4. Selling Price Indexes - Other Forest Products, 1981-1989

Year	Wood chips	Shingles	Shakes	Veneer			Plywood			
				Birch	Other hardwoods	Softwoods	Birch	Other hardwoods	Douglas-fir	Other softwoods
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	106.1	98.1	92.8	89.3	103.0	92.1	101.6	94.6	90.3	88.3
1983	85.4	110.6	118.8	98.7	109.3	100.5	105.3	101.5	94.6	107.5
1984	88.0	115.5	126.0	100.5	113.2	99.6	114.8	108.1	89.0	95.4
1985	87.3	103.9	112.7	85.1	113.6	107.1	113.6	107.6	92.6	103.1
1986	87.7	102.9	125.6	95.4	117.3	116.6	120.9	110.5	112.8	129.0
1987	97.5	109.0	124.7	106.6	121.4	120.1	120.9	118.1	107.9	126.1
1988	106.8	125.6	145.0	102.6	125.8	121.3	116.9	117.5	104.9	119.4
1989	121.9	131.9	145.6	98.8	131.0	x	116.1	114.5	114.9	136.3

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 5. Annual Average Price Statistics for Selected Forest Products, 1970-1989

Year	Lumber: Kiln dried, Standard and better 2x4 Random 8/20', Prices net f.o.b. mills: Douglas fir	Lumber: Kiln dried, Standard and better 2x4 Random 8/20', Prices net f.o.b. mills: Western spruce-pine-fir	Lumber: Kiln dried, Standard and better 2x4 Random 8/20', Prices net f.o.b. mills: Hemlock-fir B.C. Coast	Lumber: Kiln dried, Standard and better 2x4 Random 8/20', Prices net f.o.b. mills: Hemlock-fir B.C. Interior	Lumber: Kiln dried, Standard and better 2x4 Random 8/20', Prices net: Eastern spruce-pine-fir (Delivered Great Lakes)	Lumber: Kiln dried, Stud grade 2x4-8', Prices net: Eastern spruce-pine-fir (Delivered Northeastern U.S.)	Lumber: Kiln dried, Stud grade 2x4-8', Prices net f.o.b. mills: Western spruce-pine-fir	Lumber: Green, Standard and better 2x4 Random 8/20', Prices net: Eastern spruce-pine-fir (Delivered Toronto)	Lumber: Green, Standard and better 2x4 Random 8/20', Prices net f.o.b. mills: Douglas fir (British Columbia to U.S.)	Lumber: Green, Stud 2x4-8', Prices net: Eastern spruce-pine-fir (Delivered Toronto)	Newsprint: Average price: Canadian newsprint[a] (Delivered to New York)	Wood pulp: Price paid by contract buyers: Bleached softwood kraft (Delivered Northern U.S.)
	Per thousand board feet										---------- $ US/tonne ----------	
	U.S. $							$ CAN	$ US	$ CAN		
1970	85	71	..	79	..	..	66	..	75	..	167.55	..
1971	109	98	..	109	..	..	97	..	97	..	174.17	..
1972	136	133	..	139	..	..	125	..	128	..	181.42	173
1973	176	158	..	173	..	..	133	..	160	..	192.90	220
1974	144	126	..	143	162	147	106	..	126	..	231.49	341
1975	148	123	..	139	164	161	118	..	131	..	286.60	410
1976	178	151	..	171	198	190	147	..	154	..	311.40	405
1977	213	173	..	200	217	213	181	185	187	189	333.45	366
1978	241	209	..	235	252	244	199	243	213	219	348.33	336
1979	260	225	..	254	278	229	177	295	234	222	385.80	428
1980	209	168	..	202	232	211	152	240	181	207	436.00	519
1981	190	156	..	189	227	216	149	240	166	230	482.50	536
1982	167	140	162	175	211	198	128	233	144	208	494.83	496
1983	222	185	213	218	262	255	187	279	188	270	479.33	431
1984	202	154	186	191	238	234	158	266	159	255	517.50	513
1985	205	153	188	191	235	228	153	280	175	268	535.00	427
1986	215	184	206	215	269	232	156	324	180	282	543.75	461
1987	227	200	221	232	293	241	161	333	190	278	590.00	578
1988	233	186	220	227	277	254	171	295	193	274	650.00	713
1989	264	184	231	236	273	262	186	280	--	279	650.00	823

[a]For the years before 1975, the prices shown are for 32-pound newsprint; the prices shown in subsequent years are for 30-pound newsp. t.

Sources: Random Lengths Yearbook, Canadian Pulp and Paper Association, Reference Tables 1989, Resource Information Systems Inc., Pulp and Paper Review.

SECTION VII

FINANCIAL STATISTICS AND ECONOMIC INDICATORS

- **Capital and repair expenditures**
- **Contribution to Canadian Gross Domestic Product**
- **Corporate profits and profitability**
- **Economic indicators**
- **Income taxes**

Gross Domestic Product

Since 1986, the gross domestic product (GDP) has replaced the gross national product (GNP) in table VII-6 as a measure of the Canadian collective income. This change is in accordance with the System of National Accounts of Statistics Canada and with the international practice recommended by the United Nations.

According to Statistics Canada, the GDP allows for a better analysis of the economic performance of the country as it measures the production originating in the country, whereas the GNP is adjusted for the flow of interests and incomes crossing the national border.

In tables VII-6, VII-7, VII-8 and VII-9, you will notice that the national GDP is shown to be greater than the sum of the provincial GDPs. This is mainly because the domestic territory of the country is defined to include embassies and military bases on foreign soil. Thus there is Canadian domestic production that does not occur within the geographic boundaries of any province or territory.

Statistics Canada's change of approach results in an upward revision of the aggregate estimations. New surveys and information sources have allowed re-examination of the data from 1961 until 1985. The major sources of change are: day care fees, unrecorded income in construction, indirect taxes and investment income of municipalities, and residential repairs.

More details are available from Statistics Canada, catalogue 13-001, first quarter 1986, and catalogue 13-213.

VII - 1. Corporate Profits and Profitability[a] - Forest Industries, 1970-1987

Year	Wood industries			Paper and allied industries			Manufacturing industries		
	Before tax	After tax	Profitability	Before tax	After tax	Profitability	Before tax	After tax	Profitability
	$000 000		%	$000 000		%	$000 000		%
1970	-13	-22	-0.6	229	155	3.7	2 899	1 662	5.5
1971	51	10	1.8	111	64	2.2	3 679	2 179	6.7
1972	189	90	6.0	139	65	2.4	4 361	2 590	7.5
1973	480	284	15.7	799	573	10.1	6 607	4 142	10.6
1974	188	94	6.2	1 337	852	12.2	8 697	5 272	11.6
1975	60	9	1.5	826	574	7.8	7 652	4 564	9.1
1976	206	94	5.1	573	343	5.4	7 367	4 542	8.5
1977	402	232	9.7	582	308	4.5	9 397	4 561	6.8
1978	750	474	15.7	1 191	817	8.9	10 085	6 492	9.7
1979	874	546	15.6	1 621	905	8.9	14 213	9 064	11.6
1980	380	242	6.4	2 465	1 604	13.0	15 109	9 498	10.6
1981	69	36	1.7	2 096	1 536	10.3	14 396	9 076	8.8
1982	-277	-190	-3.2	-39	28	1.4	4 910	2 844	3.4
1983	220	167	4.9	-25	32	1.1	8 796	5 715	5.7
1984	173	137	4.1	917	714	4.8	15 767	10 704	8.7
1985	413	318	7.3	778	446	3.2	14 371	9 172	6.9
1986	753	532	10.3	1 992	1 227	6.2	19 296	12 988	8.3
1987	1 253	821	12.7	3 837	2 391	9.9	22 105	14 128	8.5

[a]Profitability as a measure of return on capital employed was obtained by dividing after-tax profits plus interest on long-term debt by capital employed.

Source: Statistics Canada Cat. No. 61-207.

VII - 2. Corporate Income Taxes Paid by Forest Industries, 1970-1987

Year	Forestry			Wood industries			Paper and allied industries			Total		
	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total
							$000 000					
1970	4.4	1.5	5.9	12.3	4.3	16.6	57.9	15.8	73.7	74.6	21.6	96.2
1971	4.3	1.7	6.0	21.3	6.8	28.1	45.1	12.7	57.8	70.7	21.2	91.9
1972	7.7	2.7	10.4	51.9	15.9	67.8	51.9	17.4	69.3	111.5	36.0	147.5
1973	14.4	5.0	19.4	94.1	35.0	129.1	107.0	39.8	146.8	215.5	79.8	295.3
1974	11.8	4.2	16.0	48.2	19.5	67.7	219.4	85.6	305.0	279.4	109.3	388.7
1975	7.0	2.9	9.9	38.6	16.2	54.8	108.8	44.3	153.1	154.4	63.4	217.8
1976	7.9	5.0	12.9	58.6	28.5	87.1	96.8	45.3	142.1	163.3	78.8	242.1
1977	10.5	7.1	17.6	79.5	38.5	118.0	97.1	45.8	142.9	187.1	91.4	278.5
1978	10.7	7.7	18.4	127.0	68.0	195.0	156.3	80.4	236.7	294.0	156.1	450.1
1979	24.4	14.9	39.3	161.6	86.8	248.4	298.7	160.6	459.3	484.7	262.3	747.0
1980	32.2	17.8	50.0	67.9	39.3	107.2	331.4	176.4	507.8	431.5	233.5	665.0
1981	13.2	9.0	22.2	45.5	25.4	70.9	201.9	110.9	312.8	260.6	145.3	405.9
1982	10.3	5.8	16.1	27.4	12.0	39.4	73.1	41.1	114.2	110.8	58.9	169.7
1983	12.3	7.1	19.4	45.3	20.1	65.4	60.5	34.9	95.4	118.1	62.1	180.2
1984	15.7	8.7	24.4	37.5	21.1	58.6	87.0	72.2	159.2	140.2	102.0	242.2
1985	15.5	9.0	24.5	40.9	27.0	67.9	118.1	89.9	208.0	174.5	125.9	300.4
1986	16.7	11.2	27.9	71.8	47.5	119.3	136.3	123.0	259.2	224.8	181.7	406.3
1987	21.7	13.9	35.5	126.7	79.9	206.6	253.5	189.9	443.4	401.9	283.7	685.5

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 3. Provincial Allocation of Taxable Income by Forest Industry Sector and Province, 1970-1987

Sector/ year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other[a]	Canada
A. Forestry							$000						
1970	x	-	155	344	866	832	x	x	x	18 603	-	x	21 454
1975	108	-	545	834	x	2 105	x	224	x	22 015	x	-	28 942
1976	215	-	501	872	2 973	2 753	x	332	1 474	34 246	x	-	43 436
1977	109	-	x	902	2 628	3 429	29	325	1 597	45 937	x	x	56 817
1978	140	-	1 622	1 280	x	5 573	77	372	1 478	50 102	x	x	65 406
1979	305	-	2 637	1 607	11 299	7 589	x	x	2 451	99 676	x	x	126 210
1980	434	-	3 512	1 963	12 282	11 374	x	x	2 798	114 621	x	x	147 949
1981	481	-	2 713	2 197	11 658	8 525	x	908	x	54 577	x	197	84 185
1982	604	x	1 372	2 189	14 358	9 983	x	759	2 313	42 889	x	x	75 200
1983	570	x	1 101	x	17 516	11 600	471	938	x	59 001	x	x	98 463
1984	526	x	3 318	4 955	29 531	17 780	482	x	x	63 791	x	x	125 607
1985	703	x	2 993	5 532	36 585	17 139	489	x	3 927	63 151	x	x	132 406
1986	806	x	3 767	6 116	38 040	20 842	543	1 756	5 433	69 075	x	x	146 624
1987	1 559	x	x	6 411	49 462	22 995	x	2 004	x	87 254	x	1 673	183 733
B. Wood industries													
1970	x	x	835	722	10 746	10 789	399	361	4 089	11 323	-	-	39 326
1975	x	421	3 672	4 442	29 039	32 336	2 085	4 612	10 903	62 144	-	x	150 364
1976	x	x	4 959	1 918	37 071	35 027	3 192	2 980	17 526	142 174	-	-	245 446
1977	x	120	4 171	2 519	57 050	35 196	3 559	4 678	14 638	206 250	-	x	332 455
1978	x	128	3 879	4 234	65 469	52 091	3 981	10 233	23 071	391 233	-	x	554 759
1979	x	179	6 014	8 177	107 581	79 470	3 869	8 082	33 625	449 784	-	x	697 696
1980	253	116	x	3 647	62 435	57 150	2 856	3 399	15 243	170 238	x	x	318 650
1981	265	93	1 909	2 781	44 300	58 474	3 683	2 807	12 833	80 440	-	x	207 635
1982	250	78	2 004	2 425	38 123	46 402	3 130	1 522	8 654	31 228	x	x	133 859
1983	296	303	3 382	x	83 914	58 587	6 653	6 237	6 909	64 391	x	x	236 027
1984	400	x	4 951	10 597	108 098	67 429	6 872	5 621	8 722	57 861	x	x	270 794
1985	576	x	5 608	5 810	104 167	74 924	6 546	6 338	11 182	92 700	x	x	308 054
1986	412	98	7 626	14 667	128 834	92 156	7 242	4 479	15 385	197 373	x	x	468 385
1987	x	147	8 735	19 473	160 195	126 704	10 028	5 541	23 683	360 330	x	347	716 099

VII - 3. Provincial Allocation of Taxable Income by Forest Industry Sector and Province, 1970-1987 (concluded)

Sector/ year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other[a]	Canada
							$000						
C. Paper and allied industries													
1970	94	-	3 803	2 438	25 414	58 362	4 696	239	8 316	42 877	-	40	146 279
1975	14 706	x	35 107	16 689	154 556	107 563	3 578	639	32 969	20 936	x	x	387 540
1976	365	-	26 872	3 216	107 528	70 511	1 904	4 221	34 611	125 506	x	x	375 114
1977	10 010	-	34 381	x	119 398	81 251	3 939	3 058	27 012	105 022	-	x	392 895
1978	35 689	35	34 085	6 379	252 538	151 874	2 620	972	18 892	140 532	-	x	644 059
1979	48 669	x	63 381	17 075	439 221	284 771	4 612	1 965	39 133	391 886	x	245	1 291 115
1980	55 351	x	100 660	40 659	486 492	409 936	9 395	34 455	54 367	184 971	-	x	1 378 262
1981	51 926	x	67 579	21 207	207 481	365 371	8 815	5 789	39 790	64 293	x	x	837 138
1982	2 351	-	29 912	4 868	139 913	108 618	6 685	x	33 316	10 054	x	x	336 566
1983	1 992	-	10 937	7 243	112 398	174 776	7 671	775	21 222	9 989	-	-	347 003
1984	x	x	34 950	22 044	263 014	288 279	10 494	1 878	43 906	20 419	-	x	697 628
1985	22 743	x	15 285	15 134	349 805	390 959	x	2 620	33 231	22 367	-	x	868 384
1986	17 234	x	37 681	15 305	400 906	439 462	14 600	x	54 266	127 301	-	545	1 110 172
1987	22 774	x	80 064	45 311	543 678	628 085	18 364	3 851	79 889	225 410	-	x	1 648 074
D. Forest industries													
1970	x	x	4 793	3 504	37 026	69 983	5 095	600	12 405	72 803	-	40	206 343
1975	14 814	x	39 324	21 965	x	142 004	x	5 475	x	105 095	x	x	566 846
1976	580	x	32 332	6 006	147 572	108 291	x	7 533	53 611	301 926	x	x	663 996
1977	10 119	x	x	x	179 076	119 876	7 527	8 061	43 247	357 209	x	x	782 167
1978	35 829	x	39 586	11 893	x	209 538	x	11 577	43 441	581 867	x	x	1 264 224
1979	48 974	x	72 032	26 859	558 101	371 830	x	x	75 209	941 346	x	735	2 115 021
1980	56 038	x	x	46 269	561 209	478 460	x	x	72 408	469 830	x	201	1 844 861
1981	52 672	x	72 201	26 185	263 439	432 370	x	9 504	x	199 310	x	247	1 128 958
1982	3 205	x	33 288	9 482	192 394	165 003	9 815	x	44 283	84 171	x	x	545 625
1983	2 858	x	15 420	x	213 828	244 963	14 795	7 950	x	133 381	x	277	681 493
1984	x	x	43 219	37 596	400 643	373 488	17 848	x	x	142 071	x	x	1 094 029
1985	24 022	x	23 886	26 476	490 557	483 022	x	x	48 340	178 238	x	165	1 308 844
1986	18 452	x	49 074	36 088	567 780	552 460	22 385	6 235	75 084	393 749	x	x	1 725 181
1987	24 333	x	88 799	71 195	753 335	777 784	x	11 396	x	672 994	x	2 020	2 547 906

[a]Other: Including other jurisdictions.

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 4. Capital and Repair Expenditures by Forest Industries, 1950-1990

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total[a]
A. Logging industry				$000 000		
1960	23.8	16.3	48.1	10.4	3.8	102.4
1970	28.5	26.5	103.3	10.7	3.5	172.5
1975	74.7	59.7	179.7	23.3	21.7	359.1
1976	57.9	54.7	231.2	22.5	15.7	382.0
1977	56.6	73.5	265.3	22.6	21.5	439.5
1978	66.4	80.0	307.5	22.3	26.3	502.5
1979	94.5	97.3	343.0	26.0	28.3	589.1
1980	107.0	126.4	401.0	33.9	40.7	709.0
1981	106.2	139.1	294.9	36.4	41.0	617.6
1982	68.8	81.6	205.9	21.3	25.3	402.9
1983	67.3	97.8	274.9	17.1	15.8	472.9
1984	74.9	120.4	307.8	19.5	18.7	541.3
1985	68.7	123.2	283.4	33.3	20.3	528.9
1986	60.2	127.7	287.2	33.2	20.1	528.4
1987	63.2	111.6	324.0	38.6	25.7	563.1
1988	79.9	117.1	338.3	42.1	24.6	602.0
1989[c]	82.1	128.9	324.8	45.7	30.7	612.2
1990[c]	94.1	137.5	338.9	40.3	35.5	646.3
B. Wood industries						
1950	..	10.1	28.1	..	..	54.2
1960	10.5	11.9	46.4	3.1	3.7	75.6
1970	25.8	30.3	139.9	9.4	18.9	224.3
1975	76.1	80.5	183.3	26.3	42.6	408.9
1976	67.9	58.6	225.0	28.7	64.9	445.1
1977	66.8	59.0	286.7	18.5	34.9	466.1
1978 .	66.5	69.8	390.8	26.2	37.5	590.9
1979	89.4	80.3	466.0	19.4	61.4	716.5
1980	108.6	104.7	508.1	21.6	53.1	796.1
1981	87.7	101.7	469.5	14.2	71.4	744.5
1982	150.6	80.0	295.0	9.7	51.1	586.4
1983	120.0	85.8	329.4	13.8	71.8	620.8
1984	115.2	105.8	403.3	23.7	52.7	700.7
1985	151.0	94.2	402.3	15.9	60.1	723.9
1986	142.6	111.3	453.2	17.3	136.2	861.0
1987	157.9	195.1	738.9	32.8	115.3	1 240.4
1988	233.6	252.3	852.4	28.4	131.9	1 498.6
1989[c]	252.2	206.3	740.2	37.7	88.8	1 325.2
1990[c]	149.2	191.8	716.7	51.8	111.4	1 220.9

VII - 4. Capital and Repair Expenditures by Forest Industries, 1950-1990 (concluded)

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total[a]
				$000 000		
C. Paper and allied industries						
1950	45.1	44.3	33.0	..[b]	15.8	138.2
1960	95.2	64.9	56.3	47.7	5.2	269.4
1970	152.1	162.5	192.7	191.0	60.1	758.4
1975	308.8	282.6	199.4	110.5	53.4	954.7
1976	336.2	392.4	264.4	123.8	70.0	1 186.8
1977	371.7	385.2	316.6	145.6	70.3	1 289.4
1978	390.7	289.3	339.0	157.2	84.3	1 260.5
1979	434.4	404.8	391.2	234.6	85.9	1 550.9
1980	580.7	530.7	692.5	265.9	82.4	2 152.2
1981	724.6	898.7	964.9	385.1	112.3	3 085.6
1982	724.0	810.0	674.6	479.0	88.9	2 776.5
1983	651.5	493.3	305.7	349.2	89.1	1 888.8
1984	752.7	608.7	454.3	274.6	105.2	2 195.5
1985	994.8	908.8	534.1	566.3	166.4	3 170.4
1986	1 408.0	676.8	553.0	504.2	126.6	3 268.6
1987	1 599.7	778.7	993.9	482.9	293.7	4 148.9
1988	1 477.3	1 026.9	1 397.8	790.3	731.1	5 423.4
1989[c]	1 886.2	1 332.2	1 909.4	890.5	926.7	7 005.0
1990[c]	1 669.2	1 241.9	2 203.4	534.2	751.8	6 400.5
D. Forest industries						
1960	129.5	93.1	150.8	61.2	12.7	447.3
1970	209.1	219.3	435.9	211.1	82.5	1 155.2
1975	459.6	422.8	562.4	160.1	117.7	1 722.6
1976	462.0	505.7	720.6	175.0	150.6	2 013.9
1977	495.1	517.7	868.6	186.7	126.7	2 194.8
1978	523.6	439.1	1 037.3	205.7	148.1	2 353.8
1979	618.3	582.4	1 200.2	280.0	175.6	2 856.5
1980	796.3	761.8	1 601.6	321.4	176.2	3 657.3
1981	918.5	1 139.5	1 729.3	435.7	224.7	4 447.7
1982	943.4	971.6	1 175.5	510.0	165.3	3 765.8
1983	838.8	676.9	910.0	380.1	176.7	2 982.5
1984	942.8	834.9	1 165.4	317.8	176.6	3 437.5
1985	1 214.5	1 126.2	1 219.8	615.5	246.8	4 423.2
1986	1 610.8	915.8	1 293.4	554.7	282.9	4 658.0
1987	1 820.8	1 085.4	2 056.8	554.3	434.7	5 952.4
1988	1 790.8	1 396.3	2 588.5	860.8	887.6	7 524.0
1989[c]	2 220.5	1 667.4	2 974.4	973.9	1 046.2	8 942.4
1990[c]	1 912.5	1 571.2	3 259.0	626.3	898.7	8 267.7

[a] Includes Northwest Territories and Yukon.
[b] Included in Prairie provinces.
[c] Preliminary actual 1989, followed by revised intentions for 1990.

Source: Statistics Canada Cat. No. 25-202, 61-205 and 61-208.

VII - 5. General Economic Indicators by Quarter, 1983-1989

Year	Quarter	Gross domestic product[a] at 1981 prices percent change	Consumer price index (1981 = 100) percent change	Unemployment rate[a] (%)	Canadian dollar U.S. funds	Merchandise trade balance ($000 000)	Prime rate (%)	Toronto Stock Exchange 300 (1975 = 1000)
1983	1	1.7	0.6	12.5	0.8148	+4 321	11.67	2 092.6
	2	2.3	1.4	12.2	0.8123	+5 268	11.00	2 402.8
	3	1.6	1.6	11.6	0.8112	+3 953	11.00	2 486.8
	4	0.8	0.9	11.1	0.8075	+3 916	11.00	2 484.8
1984	1	1.6	1.3	11.4	0.7966	+3 918	11.17	2 423.6
	2	2.3	0.8	11.4	0.7737	+4 941	12.00	2 258.0
	3	1.1	0.9	11.3	0.7611	+5 412	13.17	2 307.2
	4	1.1	0.7	11.1	0.7585	+5 566	11.92	2 374.0
1985	1	1.1	1.2	11.1	0.7391	+5 061	11.42	2 600.9
	2	0.6	1.1	10.6	0.7303	+4 142	10.58	2 694.7
	3	1.0	0.9	10.2	0.7353	+3 251	10.33	2 743.6
	4	2.1	0.9	10.1	0.7250	+3 938	10.00	2 810.9
1986	1	0.3	1.2	9.7	0.7124	+2 562	12.00	2 915.4
	2	0.8	0.8	9.6	0.7225	+2 859	10.58	3 095.5
	3	0.1	1.2	9.7	0.7218	+2 230	9.75	2 980.9
	4	0.1	1.0	9.4	0.7221	+2 293	9.75	3 050.6
1987	1	1.8	0.9	9.5	0.7476	+3 097	9.08	3 529.1
	2	1.5	1.4	9.0	0.7503	+3 051	9.42	3 714.1
	3	1.7	1.2	8.7	0.7563	+3 142	9.83	3 975.4
	4	1.5	0.7	8.2	0.7630	+1 817	9.75	3 052.6
1988	1	1.0	0.9	7.8	0.7890	+1 646	9.75	3 191.9
	2	1.4	1.3	7.7	0.8132	+3 452	10.42	3 343.5
	3	0.8	1.1	7.9	0.8201	+2 661	11.25	3 315.4
	4	0.7	0.8	7.8	0.8290	+2 355	11.92	3 360.1
1989	1	0.8	1.2	7.6	0.8390	+2 978	12.83	3 589.0
	2	0.4	1.7	7.5	0.8381	+1 411	13.50	3 698.7
	3	0.6	1.4	7.4	0.8458	+1 893	13.50	3 974.7
	4	0.5	0.7	7.6	0.8558	+1 275	13.50	3 969.8

[a]Seasonally adjusted at annual rates.

Source: Statistics Canada Cat. No. 13-001, 13-004, 13-007, and 11-010.

VII - 6. General Economic Indicators, 1970-1989

Year	G.D.P.* at market price		G.D.P. in constant 1981 dollars		Implicit price index		Consumer price index		Unemployment rate %	Canadian dollar in U.S. funds	Merchandise trade balance $000 000	Prime rate %	Conventional 5-yr mortgage rate %
	Value ($000 000)	Percent change	Value ($000 000)	Percent change	(1981 = 100)	Percent change	(1981 = 100)	Percent change					
1970	89 116	7.3	219 498	2.6	40.6	4.6	41.0	3.3	5.7	0.9579	+ 2 951	8.17	10.45
1971	97 290	9.2	232 137	5.8	41.9	3.2	42.2	2.9	6.2	0.9903	+ 2 468	6.48	9.43
1972	108 629	11.7	245 441	5.7	44.3	5.7	44.2	4.7	6.2	1.0096	+ 1 951	6.00	9.21
1973	127 372	17.3	264 369	7.7	48.2	8.8	47.6	7.7	5.5	0.9999	+ 2 923	7.65	9.59
1974	152 111	19.4	276 006	4.0	55.1	14.3	52.8	10.9	5.3	1.0225	+ 1 835	10.75	11.24
1975	171 540	12.8	283 187	2.6	60.6	10.0	58.5	10.8	6.9	0.9830	- 345	9.42	11.43
1976	197 924	15.4	300 638	6.1	65.8	8.6	62.9	7.5	7.1	1.0141	+ 1 559	10.04	11.78
1977	217 879	10.1	311 504	3.6	69.9	6.2	67.9	7.9	8.1	0.9403	+ 2 972	8.50	10.36
1978	241 604	10.9	325 751	4.6	74.2	6.1	73.9	8.8	8.3	0.8770	+ 4 312	9.69	10 59
1979	276 096	14.3	338 362	3.9	81.6	10.0	80.7	9.2	7.4	0.8536	+ 4 424	12.90	11 17
1980	309 891	12.2	343 384	1.5	90.3	10.7	88.9	10.2	7.5	0.8554	+ 8 778	14.25	14.31
1981	355 994	14.9	355 994	3.7	100.0	10.9	100.0	12.5	7.5	0.8340	+ 7 292	19.29	18.15
1982	374 442	5.2	344 543	-3.2	108.7	8.7	110.8	10.8	11.0	0.8103	+17 654	15.81	17.89
1983	405 717	8.4	355 445	3.2	114.1	5.0	117.2	5.8	11.8	0.8114	+17 457	11.17	13.29
1984	444 735	9.6	377 855	6.3	117.7	3.1	122.3	4.4	11.2	0.7723	+19 837	12.06	13.61
1985	477 988	7.5	395 217	4.6	120.7	2.9	127.2	4.0	10.5	0.7325	+16 392	10.58	12.18
1986	505 666	5.8	408 143	3.3	123.6	2.4	132.4	4.1	9.5	0.7199	+ 9 786	10.52	11.21
1987	551 336	9.0	426 411	4.5	129.1	4.4	138.2	4.4	8.8	0.7541	+11 353	9.52	11.17
1988	603 356	9.4	447 779	5.0	134.3	4.0	143.8	4.1	7.8	0.8125	+ 9 808	10.83	11.65
1989	651 616	8.0	460 595	2.9	140.8	4.8	151.0	5.0	7.5	0.8446	+ 4 679	13.33	12.06

*Gross domestic product.

Sources: Statistics Canada Cat. No. 13-001, 62-010, 67-001, 71-001, and Bank of Canada Review.

VII - 7. Relation Between Gross Domestic Product (G.D.P.) at Market Price and Gross Domestic Product at Factor Cost, 1970-1989

Year	G.D.P. at market price	Deduct indirect taxes less subsidies	Deduct: statistical discrepancy	Equals: G.D.P. at factor cost
		$000 000		
1970	89 116	11 095	684	77 337
1971	97 290	12 053	792	84 445
1972	108 629	13 627	147	94 855
1973	127 372	15 311	14	112 047
1974	152 111	17 867	-590	134 804
1975	171 540	17 087	98	154 363
1976	197 924	20 992	-141	177 073
1977	217 879	23 188	1 109	193 582
1978	241 604	24 819	-59	216 844
1979	276 096	26 635	-199	249 660
1980	309 891	27 272	45	282 574
1981	355 994	36 457	173	319 364
1982	374 442	38 908	350	335 184
1983	405 717	40 135	2 247	363 335
1984	444 735	42 714	863	401 158
1985	477 988	47 212	44	430 732
1986	505 636	53 827	809	451 030
1987	551 336	58 432	1 652	491 252
1988	603 356	65 205	-987	539 138
1989	651 616	73 133	-2 032	580 515

Source: Statistics Canada Cat. No. 11-010.

VII - 8. Forest Industries Direct Contribution to Canadian Gross Domestic Product (G.D.P.) at Factor Cost[a], 1970-1989 (1981 Prices)

	Total economy	Forestry services		Logging		Wood industries		Paper and allied industries		Total forest industries	
Year	$000 000	$000 000	%	$000 000	%	$000 000	%	$000 000	%	$000 000	%
1970	203 024.8	209.0	0.1	1 675.1	0.8	2 048.0	1.0	5 360.9	2.6	9 293.0	4.6
1971	214 902.9	241.5	0.1	1 643.8	0.8	2 097.8	1.0	5 286.9	2.5	9 270.0	4.3
1972	227 067.2	228.8	0.1	1 773.8	0.8	2 121.8	0.9	5 751.6	2.5	9 876.0	4.4
1973	244 958.8	202.3	0.1	1 984.4	0.8	2 336.9	1.0	6 218.0	2.5	10 741.6	4.4
1974	253 979.9	206.6	0.1	1 994.0	0.8	2 423.9	1.0	6 730.6	2.7	11 355.1	4.5
1975	257 532.0	227.9	0.1	1 608.5	0.6	2 153.3	0.8	4 790.5	1.9	8 780.2	3.4
1976	272 995.6	241.0	0.1	1 743.8	0.6	2 611.0	1.0	5 911.9	2.2	10 507.7	3.9
1977	281 762.1	249.0	0.1	1 875.4	0.7	2 897.5	1.0	5 840.3	2.1	10 862.2	3.9
1978	290 559.5	257.6	0.1	2 082.2	0.7	2 906.6	1.0	6 455.8	2.2	11 702.2	4.0
1979	301 852.5	264.5	0.1	2 061.5	0.7	2 915.8	1.0	6 373.9	2.1	11 615.7	3.9
1980	307 388.8	266.5	0.1	2 094.4	0.7	3 108.0	1.0	6 243.9	2.0	11 712.8	3.8
1981	319 538.1	262.7	0.1	2 045.0	0.6	2 986.2	0.9	5 996.8	1.9	11 290.7	3.5
1982	307 863.5	248.3	0.1	1 708.9	0.6	2 415.7	0.8	5 139.5	1.7	9 512.4	3.1
1983	317 858.6	257.8	0.1	2 254.4	0.7	2 986.0	0.9	5 753.3	1.8	11 251.5	3.5
1984	336 941.4	244.2	0.1	2 534.2	0.8	3 349.5	1.0	5 961.0	1.8	12 088.9	3.6
1985	352 821.1	260.3	0.1	2 455.2	0.7	3 804.0	1.1	5 884.1	1.7	12 403.6	3.5
1986	364 265.7	268.4	0.1	2 485.9	0.7	3 822.2	1.0	6 239.2	1.7	12 815.7	3.5
1987	381 794.5	278.8	0.1	2 748.1	0.7	4 344.0	1.1	6 493.9	1.7	13 864.8	3.6
1988	400 142.9	315.7	0.1	2 762.9	0.7	4 305.8	1.1	6 674.5	1.7	14 058.9	3.5
1989	411 748.6	331.3	0.1	2 773.4	0.7	4 257.0	1.0	6 659.1	1.6	14 020.8	3.4

[a]GDP at factor cost in 1981 prices is a summation of all industries and there is no adjustments for the statistical discrepancy.

Source: Statistics Canada Cat. No. 15-001.

VII - 9. Forest Industries Direct Contribution to Canadian Gross Domestic Product (G.D.P.) by Province, 1986 and 1988

Province	Provincial G.D.P. at market prices	Indirect taxes	Subsidies	G.D.P. at factor cost[a]	Logging industry		Wood industries		Paper and allied industries		Forestry services		Total forest industries	
	$000 000 (current $)				$000 000	%	$000 000	%	$000 000	%	$000 000	%	$000 000	%
A. G.D.P. at factor cost and forestry contribution - 1986														
Nfld.	6 754	795	117	6 076	45.8	0.8	6.0	0.1	x	x	13.0	0.2	x	x
P.E.I.	1 491	157	70	1 404	2.3	0.2	6.4	0.5	-	-	1.3	0.1	10.0	0.7
N.S.	12 949	1 574	198	11 573	79.0	0.7	56.9	0.5	213.2	1.8	13.9	0.1	363.0	3.1
N.B.	9 990	1 271	144	8 863	189.6	2.1	131.6	1.5	383.2	4.3	27.0	0.3	731.4	8.3
Que.	117 219	16 601	2 500	103 118	584.3	0.6	1 073.8	1.0	2 675.0	2.6	66.6	0.1	4 399.7	4.3
Ont.	201 228	27 946	1 775	175 057	509.2	0.3	928.1	0.5	2 349.3	1.3	84.3	--	3 870.9	2.2
Man.	18 442	2 404	735	16 773	26.6	0.2	72.6	0.4	100.2	0.6	5.4	--	204.8	1.2
Sask.	17 144	1 821	1 605	16 928	33.4	0.2	49.9	0.3	x	x	6.7	--	x	x
Alta.	58 087	4 286	2 282	56 083	82.7	0.1	262.8	0.5	159.4	0.3	56.3	0.1	561.2	1.0
B.C.	57 050	7 119	1 110	51 041	1 131.5	2.2	2 040.7	4.0	1 494.7	2.9	75.5	0.1	4 742.4	9.3
Total	**502 670**	**64 055**	**10 609**	**449 224**	**2 686.0**	**0.6**	**4 629.3**	**1.0**	**7 558.4**	**1.7**	**350.1**	**0.1**	**15 223.8**	**3.4**
B. G.D.P. at factor cost - 1988														
Nfld.	7 864	982	135	7 017	..	..	..	..	..	..	..	..	..	..
P.E.I.	1 762	189	81	1 654	..	..	..	..	..	..	..	..	..	..
N.S.	14 814	1 913	210	13 111	..	..	..	..	..	..	..	..	..	..
N.B.	11 726	1 558	168	10 336	..	..	..	..	..	..	..	..	..	..
Que.	144 031	19 570	2 454	126 915	..	..	..	..	..	..	..	..	..	..
Ont.	247 969	33 893	2 336	216 412	..	..	..	..	..	..	..	..	..	..
Man.	21 483	2 823	987	19 647	..	..	..	..	..	..	..	..	..	..
Sask.	18 578	2 337	2 022	18 263	..	..	..	..	..	..	..	..	..	..
Alta.	63 489	5 269	2 362	60 582	..	..	..	..	..	..	..	..	..	..
B.C.	68 216	8 114	1 271	61 373	..	..	..	..	..	..	..	..	..	..
Total	**602 558**	**76 743**	**12 113**	**537 928**	..	..	..	..	..	..	..	..	..	..

[a]G.D.P. at factor cost = G.D.P. at market prices + subsidies - indirect taxes.

Source: Statistics Canada Cat. No. 13-213 and 15-203.

SECTION VIII

RELATED DATA

- Housing starts
- Transportation

VIII - 1. Transport Statistics by Forest Products, 1987-1989

Forest products	Railways			Trucking[a]				Marine traffic			
	Revenue freight loaded domestically onto railway cars in Canada			For hire				Cargo tonnes loaded	Tonnes loaded (exports)	Tonnes unloaded (imports)	Total
				Class 1-2	Class 3	Private	Total				
	1987	1988	1989	1988				1988			
				1 000 t							
Primary wood products	12 031	11 767	10 802	16 041	..	6 041	..	18 923	4 691	363	23 977
Logs and bolts	1 414	1 338	1 566	5 683	..	2 068	..	13 236	2 770	318	15 824
Pulpwood	1 543	1 279	1 068	993	..	3 316	..	5 686	2 412	39	8 137
Wood chips	9 074	9 150	8 168	8 807	..	657	..	..	..	..	..
Other primary products	..	..	..	558	..	..	..	1	9	6	16
Wood-fabricated materials	10 772	10 196	10 263	8 488	..	2 080	..	889	7 728	118	8 735
Lumber	9 086	8 511	8 512	7 280	..	1 015	..	872	7 344	27	8 243
Other wood products	1 686	1 685	1 751	1 208	..	1 065	..	17	384	91	492
Wood pulp and paper products	13 518	12 868	12 578	4 992	..	531	..	1 058	8 578	331	9 967
Wood pulp	6 482	6 729	6 495	661	..	145	..	525	4 750	100	5 375
Newsprint	5 535	5 465	5 440	3 951	..	233	..	500	3 119	4	3 623
Paperboard, pulpboard, fiberboard	1 501	674	643	380	..	153	..	33	709	227	969
Total forest products	36 321	36 060	34 570	30 339	..	8 562	..	20 870	20 997	812	42 679
Total products	249 320	258 601	241 770	177 103	..	68 395	..	69 974	171 064	78 912	319 950
%	14.6	13.9	14.3	17.1	..	12.7	..	29.8	12.3	1.0	13.3

[a]Class 3 was not surveyed in 1988.

Source: Statistics Canada Cat. No. 52-001, 53-222 and 54-205.

VIII - 2. Dwelling Units[a] Started by Province, 1950-1989

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
1950	2 090	333	2 705	2 323	7 451	28 515	33 430	4 072	2 904	8 623	15 599	7 536	**92 531**
1960	2 026	272	4 047	1 780	8 125	28 589	42 282	5 132	4 339	8 387	17 858	12 004	**108 858**
1970	2 636	784	5 878	3 182	12 480	47 118	76 675	8 945	1 743	16 251	26 939	27 316	**190 528**
1971	3 658	1 363	7 308	4 930	17 259	51 782	89 980	10 705	3 560	25 602	39 867	34 765	**233 653**
1972	3 901	1 079	5 164	6 358	16 502	55 746	102 933	12 068	4 845	22 503	39 416	35 317	**249 914**
1973	4 831	2 122	7 734	7 235	21 922	59 550	110 536	11 531	6 386	20 977	38 894	37 627	**268 529**
1974	4 911	1 334	6 008	5 861	18 114	51 642	85 503	8 752	7 684	19 008	35 444	31 420	**222 123**
1975	5 342	847	6 366	6 983	19 538	54 741	79 968	7 845	10 505	24 707	43 057	34 152	**231 456**
1976	5 709	842	7 470	6 772	20 793	68 748	84 682	9 339	13 143	38 771	61 253	37 727	**273 203**
1977	3 719	824	7 495	4 308	16 346	57 580	79 130	9 410	12 825	38 075	60 310	32 358	**245 724**
1978	2 865	1 210	4 853	5 167	14 095	43 671	71 710	12 121	9 527	47 925	69 573	28 618	**227 667**
1979	2 999	1 068	4 538	5 021	13 626	41 730	56 887	5 772	11 742	39 947	57 461	27 345	**197 049**
1980	3 848	475	3 895	2 646	10 864	29 186	40 127	2 597	6 250	32 031	40 878	37 546	**158 601**
1981	3 210	203	3 715	2 188	9 316	29 645	50 161	2 824	5 972	38 470	47 266	41 585	**177 973**
1982	2 793	248	3 691	1 680	8 412	23 492	38 508	2 030	6 822	26 789	35 641	19 807	**125 860**
1983	3 281	673	5 697	4 742	14 393	40 318	54 939	5 985	7 269	17 134	30 388	22 607	**162 645**
1984	2 720	643	4 598	2 873	10 834	41 902	48 171	5 308	5 221	7 295	17 824	16 169	**134 900**
1985	2 854	788	6 923	4 142	14 707	48 031	64 871	6 557	5 354	8 337	20 248	17 969	**165 826**
1986	2 883	1 110	7 571	4 045	15 609	60 348	81 470	7 699	5 510	8 462	21 671	20 687	**199 785**
1987	2 682	933	6 460	3 716	13 791	74 179	105 213	8 174	4 895	10 790	23 859	28 944	**245 986**
1988	3 168	1 151	5 478	3 621	13 418	58 062	99 924	5 455	3 856	11 360	20 671	30 487	**222 562**
1989	3 536	815	5 359	3 681	13 391	49 058	93 337	4 084	1 906	14 712	20 702	38 894	**215 382**

[a]Dwelling unit is defined as a structurally separate set of living premises with a private entrance (excluding mobile dwellings).

Sources: Statistics Canada Cat. No. 64-002 and Canada Mortgage and Housing Corporation nation-wide survey.

VIII - 3. Value of Building Construction in Canada,[a] 1960-1990

Year	Residential			Industrial	Commercial	Institutional	Other	Total
	New	Repair	Total					
					$000 000			
1960	1 456	457	1 913	452	738	615	333	4 051
1970	3 138	871	4 009	1 000	1 287	1 330	473	8 098
1971	4 025	951	4 976	1 023	1 405	1 456	507	9 367
1972	4 820	1 051	5 871	927	1 706	1 249	575	10 328
1973	5 977	1 188	7 165	1 162	2 211	1 200	666	12 404
1974	7 010	1 451	8 461	1 556	2 969	1 383	877	15 246
1975	7 114	1 576	8 690	1 537	3 732	1 561	1 089	16 609
1976	10 853	1 817	12 669	1 479	3 628	1 594	1 101	20 471
1977	11 065	2 061	13 126	1 758	3 639	1 662	1 123	21 308
1978	11 451	2 329	13 780	1 586	3 876	1 682	1 310	22 234
1979	11 618	2 649	14 267	2 096	5 098	1 831	1 414	24 706
1980	11 010	2 862	13 872	3 025	5 912	2 171	1 560	26 540
1981	13 135	3 229	16 365	3 611	6 989	2 593	1 979	31 537
1982	10 148	3 433	13 581	3 044	7 063	3 092	2 062	28 843
1983	12 994	3 857	16 851	2 450	6 482	3 065	1 905	30 753
1984	12 580	4 067	16 647	2 708	7 129	2 924	2 003	31 412
1985	21 170	2 975	24 145	3 470	8 697	3 119	2 028	41 459
1986	25 764	3 121	28 885	3 201	10 119	3 565	1 656	47 427
1987	32 519	3 306	35 825	3 244	12 378	4 314	2 147	57 908
1988	34 917	4 019	38 936	3 842	14 116	4 540	2 452	63 885
1989[b]	38 682	4 440	43 122	4 264	16 154	4 954	2 781	71 276
1990[b]	40 057	4 906	44 963	4 001	16 175	5 441	3 315	73 895

[a]Total value of construction work purchased by type of structure.
[b]Preliminary actual 1989, followed by revised intentions 1990.

Source: Statistics Canada Cat. No. 64-201.

SECTION IX

WORLD FORESTRY

The world forestry figures were retrieved from the "1988 Yearbook of Forest Products." Publication of the Yearbook is made possible by the cooperation of various governments, which supplied most of the information in the form of replies to questionnaires. The Forestry Department of the Food and Agriculture Organization of the United Nations in collaboration with the Economic Commission for Europe compiled the results.

The products are classified using the "United Nations Standard International Trade Classification (SITC) Revision 2."

IX - 1. World Forest Resources - Forest Areas and Growing Stocks by Region and Species Group

Continents and countries	Forest areas							Forest percent of land areas[a]	Merchantable volume		
	Closed forest		Other wood land		Total				Growing stocks		
	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Total		Softwoods	Hardwoods	Total
	1 000 ha							%	1 000 000 m^3		
North America	453 298[b]	..	296 022[b]	..	749 320[b]	..	749 320	37.9	31 334	15 420	46 754
Canada	243 698[b]	..	209 622[b]	..	453 320[b]	..	453 320	43.7	17 834	5 320	23 154
United States	209 600[b]	..	86 400[b]	..	296 000[b]	..	296 000	31.8	13 500	10 100	23 600
Central America and Mexico	25 038	47 230	-	348	25 038	47 578	72 614	26.9	1 900	3 600	5 500
South America	19 474	647 498	1 000	247 047	20 474	894 545	915 019	51.4	900	90 600	91 500
Africa	7 776	228 088	6 115	501 734	13 891	729 822	743 713	24.5	200	24 800	25 000
Europe, without USSR	88 413	48 592	9 576	12 321	97 989	60 913	158 902	30.5	8 000	4 000	12 000
USSR	593 700	197 900	86 200	50 800	679 900	248 700	928 600	41.5	65 300	20 600	85 900
Asia	86 552	275 270	15 688	90 722	102 238	365 992	468 230	18.5	6 000	32 000	38 000
Oceania	12 060	211 344	3 935	71 608	15 995	282 952	298 947	27.9	700	5 300	6 000
World[b]	2 942 233[b]	..	1 393 114[b]	..	4 335 347[b]	..	4 335 347	32.3	114 334	196 320	310 654

[a] Including water.
[b] Hardwoods are included.

Source: Forest resources 1980, Food and Agriculture Organization of the United Nations 1985. Cibula, E.J. Trends in timber supply and trade, Information review, 1980, Department of the Environment, London.

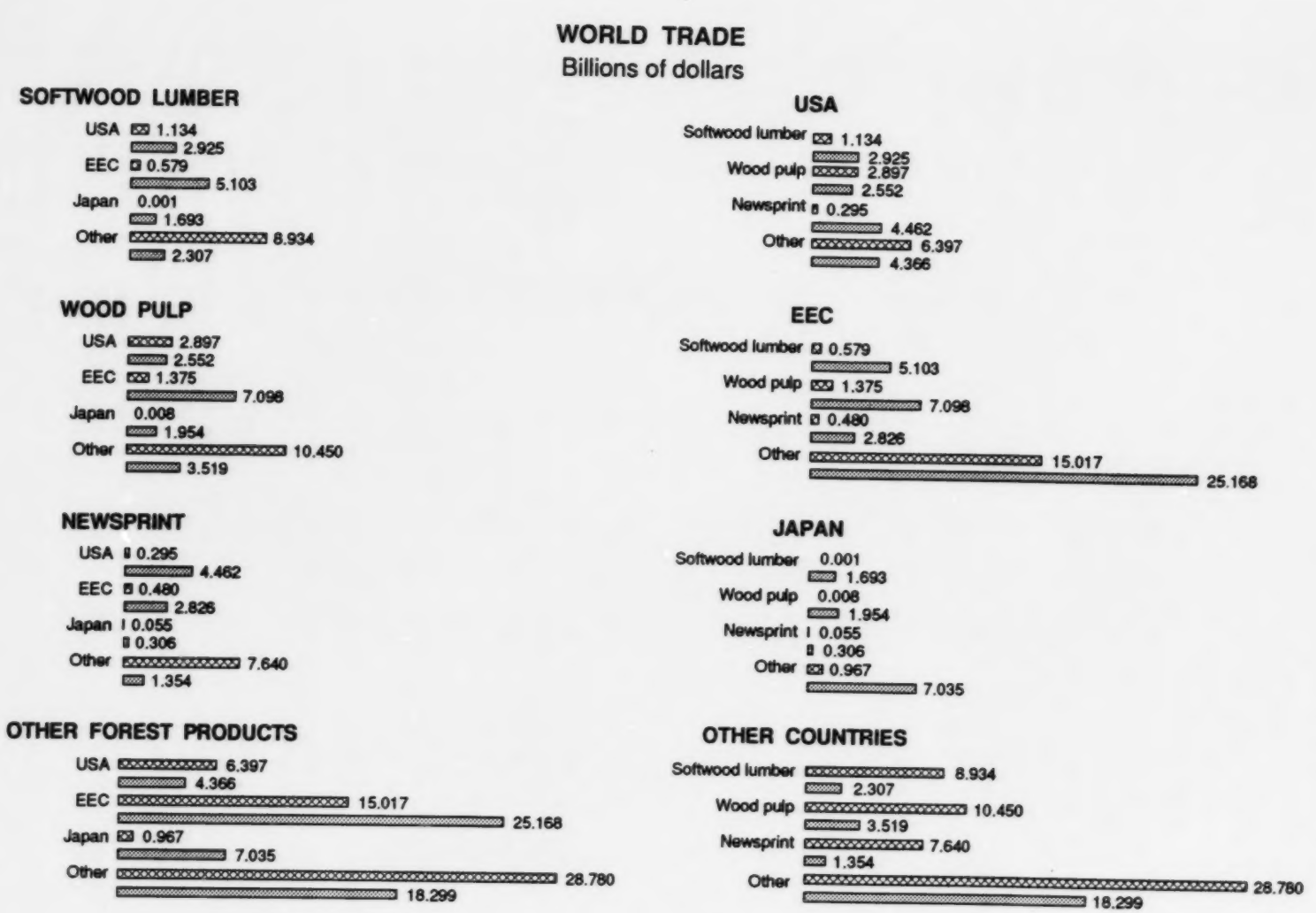

Figure 29. World trade of forest products by commodity group and principal trade area, 1988.

Exports Imports

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of forest products.

IX - 2A. World Production of Roundwood, 1987

Trade area[a]	Industrial roundwood						Fuelwood and charcoal	Total round-wood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods		
	1 000 m^3							
North America	**391 960**	**175 472**	**16 666**	**584 098**	**480 709**	**103 389**	**123 102**	**707 200**
Canada	125 384	42 655	2 224	170 263	160 106	10 157	6 834	177 097
United States	266 576	132 817	14 442	413 835	320 603	93 232	116 268	530 103
Central America	**8 104**	**2 968**	**1 125**	**12 197**	**8 433**	**3 764**	**47 054**	**59 251**
Mexico	4 324	2 864	237	7 425	6 654	771	14 552	21 977
South America	**58 137**	**29 278**	**7 380**	**94 795**	**38 604**	**56 190**	**225 165**	**319 960**
Brazil	39 983	20 900	5 360	66 243	27 278	38 965	175 426	241 669
Chile	5 568	4 106	553	10 227	9 118	1 109	6 329	16 556
Venezuela	600	-	26	626	-	626	703	1 329
Africa	**21 695**	**7 457**	**25 386**	**54 538**	**9 007**	**45 532**	**419 803**	**474 342**
Algeria	20	-	223	243	165	78	1 760	2 003
Morocco	131	326	267	724	150	574	1 322	2 046
Middle East - Africa	252	-	3 824	4 076	88	3 988	64 361	68 437
Europe	**152 430**	**119 991**	**25 207**	**297 628**	**215 151**	**82 477**	**56 579**	**354 207**
Western Europe	119 464	99 800	8 390	227 654	169 659	57 995	39 544	267 198
Economic Community	55 256	42 356	4 455	102 067	65 342	36 725	25 158	127 225
Belgium-Luxembourg	2 070	910	200	3 180	2 310	870	538	3 718
Denmark	806	506	285	1 597	1 184	413	481	2 078
France	20 401	9 722	571	30 694	16 690	14 004	10 430	41 124
Germany, Fed. Rep.	16 330	12 363	1 390	30 083	21 772	8 311	3 656	33 739
Greece	497	220	200	917	533	384	2 320	3 237
Ireland	659	513	27	1 199	1 186	13	46	1 245
Italy	2 606	1 534	444	4 584	1 268	3 316	4 506	9 090
Netherlands	530	377	128	1 035	684	351	116	1 151
Portugal	4 020	5 506	60	9 586	5 277	4 309	598	10 184
Spain	4 272	8 625	878	13 775	9 790	3 985	2 320	16 095
United Kingdom	3 065	2 080	272	5 417	4 648	769	147	5 564
Scandinavia	45 179	51 414	1 598	98 191	85 889	12 302	8 299	106 490
Finland	17 488	21 117	1 269	39 874	33 731	6 143	2 956	42 830
Norway	4 816	4 402	229	9 447	9 048	399	919	10 366
Sweden	22 875	25 895	100	48 870	43 110	5 760	4 424	53 294
Other Western Europe	19 029	6 030	2 337	27 396	18 428	8 968	6 087	33 483
Eastern Europe	32 966	20 191	16 817	69 974	45 492	24 482	17 035	87 009
USSR	**169 000**	**42 000**	**92 000**	**303 000**	**269 000**	**34 000**	**86 800**	**389 800**
Asia	**184 231**	**22 576**	**63 190**	**269 997**	**96 294**	**173 703**	**770 720**	**1 040 717**
China, People's Rep.	54 517	6 888	37 503	98 908	62 186	36 722	177 610	276 518
Hong Kong	-	-	-	-	-	-	186	186
India	18 350	1 208	4 575	24 133	2 763	21 370	235 268	259 401
Japan	19 015	11 785	935	31 735	20 569	11 166	581	32 316
Korea, Rep. of (South)	1 066	326	1 062	2 454	1 844	610	4 485	6 939
Middle East - Asia	4 459	775	5 722	10 956	5 267	5 689	13 835	24 791
Southeast Asia	77 568	1 494	8 133	87 194	746	86 448	204 176	291 370
Oceania	**16 370**	**11 795**	**1 763**	**29 928**	**15 334**	**14 594**	**8 804**	**38 732**
Australia	8 163	7 859	1 116	17 138	6 154	10 984	2 880	20 018
New Zealand	5 030	3 718	636	9 384	9 071	313	50	9 434
World	**1 001 927**	**411 537**	**232 717**	**1 646 181**	**1 132 532**	**513 649**	**1 738 027**	**3 384 208**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 2B. World Production of Roundwood, 1988

Trade area[a]	Industrial roundwood						Fuelwood and charcoal	Total round-wood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods		
	1 000 m^3							
North America	**393 094**	**180 002**	**16 691**	**589 787**	**484 869**	**104 918**	**123 102**	**712 889**
Canada	125 384	45 515	2 224	173 123	162 662	10 461	6 834	179 957
United States	267 710	134 487	14 467	416 664	322 207	94 457	116 268	532 932
Central America	**8 100**	**2 970**	**1 106**	**12 176**	**8 407**	**3 769**	**48 173**	**60 349**
Mexico	4 324	2 864	237	7 425	6 654	771	14 877	22 302
South America	**58 246**	**29 281**	**7 503**	**95 029**	**38 701**	**56 328**	**229 798**	**324 827**
Brazil	40 263	20 900	5 473	66 636	27 291	39 345	179 115	245 751
Chile	5 665	4 106	553	10 324	9 202	1 122	6 437	16 761
Venezuela	716	-	26	742	-	742	722	1 464
Africa	**22 334**	**7 785**	**25 931**	**56 049**	**9 435**	**46 614**	**432 034**	**488 083**
Algeria	20	-	230	250	169	81	1 815	2 065
Morocco	131	326	274	731	151	580	1 343	2 074
Middle East - Africa	252	-	3 886	4 138	88	4 050	65 948	70 086
Europe	**157 914**	**125 327**	**25 227**	**308 468**	**223 125**	**85 343**	**56 142**	**364 610**
Western Europe	125 505	104 826	8 615	238 946	178 309	60 637	39 748	278 694
Economic Community	59 171	42 907	4 595	106 673	68 915	37 758	25 129	131 802
Belgium-Luxembourg	2 305	975	200	3 480	2 505	975	538	4 018
Denmark	806	510	285	1 601	1 188	413	481	2 082
France	21 914	9 722	571	32 207	17 812	14 395	10 436	42 643
Germany, Fed. Rep.	17 417	12 491	1 390	31 298	22 987	8 311	3 656	34 954
Greece	563	220	200	983	577	406	2 320	3 303
Ireland	659	550	27	1 236	1 223	13	46	1 282
Italy	3 195	1 534	581	5 310	1 618	3 692	4 423	9 733
Netherlands	530	377	128	1 035	684	351	106	1 141
Portugal	4 000	5 443	60	9 503	5 214	4 289	648	10 151
Spain	4 272	8 625	878	13 775	9 790	3 985	2 320	16 095
United Kingdom	3 510	2 460	275	6 245	5 317	928	155	6 400
Scandinavia	46 836	55 460	1 598	103 894	90 366	13 528	8 461	112 355
Finland	19 740	24 500	1 269	45 509	38 140	7 369	3 111	48 620
Norway	4 764	5 065	229	10 058	9 659	399	926	10 984
Sweden	22 332	25 895	100	48 327	42 567	5 760	4 424	52 751
Other Western Europe	19 498	6 459	2 422	28 379	19 028	9 351	6 158	34 537
Eastern Europe	32 409	20 501	16 612	69 522	44 816	24 706	16 394	85 916
USSR	**170 000**	**42 300**	**92 700**	**305 000**	**270 800**	**34 200**	**86 800**	**391 800**
Asia	**179 665**	**22 808**	**63 396**	**265 869**	**94 446**	**171 423**	**782 535**	**1 048 404**
China, People's Rep.	53 770	7 178	37 503	98 451	61 932	36 519	177 610	276 061
Hong Kong	-	-	-	-	-	-	186	186
India	18 350	1 208	4 670	24 228	2 764	21 464	240 184	264 412
Japan	15 070	11 785	935	27 790	19 133	8 657	581	28 371
Korea, Rep. of (South)	1 066	334	912	2 312	1 720	592	4 491	6 803
Middle East - Asia	4 458	775	5 722	10 955	5 266	5 689	13 871	24 826
Southeast Asia	77 240	1 428	8 289	86 956	708	86 248	207 795	294 751
Oceania	**17 742**	**11 795**	**1 763**	**31 300**	**16 328**	**14 972**	**8 810**	**40 110**
Australia	8 816	7 859	1 116	17 791	6 429	11 362	2 286	20 677
New Zealand	5 749	3 718	636	10 103	9 790	313	50	10 153
World	**1 007 094**	**422 268**	**234 317**	**1 663 679**	**1 146 110**	**517 568**	**1 767 393**	**3 431 072**

[a] See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 3A. World Production of Lumber, 1987

Trade area[a]	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
			1 000 m^3		
North America	**149 275**	**20 167**	**169 442**	**210**	**169 652**
Canada	61 011	950	61 961	--	61 961
United States	88 264	19 217	107 481	210	107 691
Central America	**2 592**	**980**	**3 572**	**398**	**3 970**
Mexico	1 892	169	2 061	349	2 410
South America	**10 872**	**15 264**	**26 136**	**159**	**26 295**
Brazil	8 384	9 679	18 063	--	18 063
Chile	2 309	368	2 677	3	2 680
Venezuela	-	336	336	--	336
Africa	**2 174**	**6 132**	**8 307**	**324**	**8 630**
Algeria	8	2	10	3	13
Morocco	94	55	149	--	149
Middle East - Africa	34	65	99	5	103
Europe	**66 877**	**16 139**	**83 016**	**1 202**	**84 218**
Western Europe	52 395	11 322	63 717	635	64 352
Economic Community	21 800	8 413	30 213	499	30 712
Belgium-Luxembourg	655	270	925	14	939
Denmark	450	400	850	11	861
France	5 956	3 447	9 403	209	9 612
Germany, Fed. Rep.	8 111	1 571	9 682	72	9 754
Greece	201	227	428	--	428
Ireland	294	6	300	--	300
Italy	729	1 098	1 827	78	1 905
Netherlands	164	223	387	--	387
Portugal	1 700	300	2 000	60	2 060
Spain	1 980	610	2 590	53	2 643
United Kingdom	1 560	261	1 821	2	1 823
Scandinavia	21 088	300	21 388	61	21 449
Finland	7 460	70	7 530	33	7 563
Norway	2 350	10	2 360	2	2 362
Sweden	11 278	220	11 498	26	11 524
Other Western Europe	9 507	2 609	12 116	75	12 191
Eastern Europe	14 482	4 817	19 299	567	19 866
USSR	**89 400**	**12 600**	**102 000**	--	**102 000**
Asia	**53 121**	**50 808**	**103 929**	**719**	**104 648**
China, People's Rep.	17 086	9 192	26 278	66	26 344
Hong Kong	-	248	248	--	248
India	2 374	14 834	17 208	252	17 460
Japan	26 180	3 932	30 112	47	30 159
Korea, Rep. of (South)	2 886	1 193	4 079	66	4 145
Middle East - Asia	3 406	1 663	5 068	121	5 189
Southeast Asia	58	18 489	18 547	132	18 679
Oceania	**3 054**	**2 039**	**5 093**	**173**	**5 266**
Australia	1 159	1 813	2 972	159	3 131
New Zealand	1 837	25	1 862	14	1 876
World	**377 364**	**124 129**	**501 494**	**3 184**	**504 678**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 3B. World Production of Lumber, 1988

Trade area[a]	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
			1 000 m^3		
North America	**147 875**	**20 202**	**168 077**	**210**	**168 287**
Canada	59 611	985	60 596	--	60 596
United States	88 264	19 217	107 481	210	107 691
Central America	**2 569**	**1 004**	**3 572**	**398**	**3 970**
Mexico	1 892	169	2 061	349	2 410
South America	**10 899**	**15 345**	**26 244**	**159**	**26 403**
Brazil	8 384	9 795	18 179	--	18 179
Chile	2 337	373	2 710	3	2 713
Venezuela	-	325	325	--	325
Africa	**2 333**	**6 157**	**8 490**	**321**	**8 811**
Algeria	8	2	10	3	13
Morocco	94	55	149	--	149
Middle East - Africa	34	65	99	5	103
Europe	**68 188**	**16 393**	**84 581**	**1 172**	**85 753**
Western Europe	54 345	11 634	65 979	630	66 609
Economic Community	23 244	8 656	31 900	499	32 399
Belgium-Luxembourg	725	270	995	14	1 009
Denmark	450	400	850	11	861
France	6 450	3 675	10 125	209	10 334
Germany, Fed. Rep.	8 747	1 576	10 323	72	10 395
Greece	180	230	410	--	410
Ireland	294	6	300	--	300
Italy	900	1 100	2 000	78	2 078
Netherlands	165	225	390	--	390
Portugal	1 700	300	2 000	60	2 060
Spain	1 980	610	2 590	53	2 643
United Kingdom	1 653	264	1 917	2	1 919
Scandinavia	21 126	290	21 416	61	21 477
Finland	7 720	70	7 790	33	7 823
Norway	2 375	10	2 385	2	2 387
Sweden	11 031	210	11 241	26	11 267
Other Western Europe	9 975	2 688	12 663	70	12 733
Eastern Europe	13 843	4 759	18 602	543	19 145
USSR	**90 300**	**12 700**	**103 000**	--	**103 000**
Asia	**53 063**	**50 825**	**103 888**	**719**	**104 607**
China, People's Rep.	17 046	9 170	26 216	66	26 282
Hong Kong	-	248	248	--	248
India	2 374	14 834	17 208	252	17 460
Japan	26 164	3 930	30 094	47	30 141
Korea, Rep. of (South)	2 886	1 062	3 948	66	4 014
Middle East - Asia	3 404	1 663	5 066	121	5 187
Southeast Asia	58	18 661	18 719	132	18 851
Oceania	**3 355**	**2 082**	**5 437**	**162**	**5 599**
Australia	1 373	1 856	3 229	148	3 377
New Zealand	1 924	25	1 949	14	1 963
World	**378 582**	**124 707**	**503 289**	**3 142**	**506 431**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 4A. World Production of Panel Products, 1987

Trade area[a]	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
			1 000 m^3			
North America	**23 721**	**12 350**	**750**	**1 712**	**4 299**	**42 832**
Canada	2 221	2 969	750	137	699	6 776
United States	21 500	9 381	-	1 575	3 600	36 056
Central America	**349**	**535**	**8**	**139**	**-**	**1 031**
Mexico	286	423	2	91	-	802
South America	**1 519**	**1 285**	**376**	**733**	**244**	**4 156**
Brazil	1 200	660	234	603	200	2 897
Chile	37	172	9	45	-	263
Venezuela	40	98	-	-	18	156
Africa	**626**	**506**	**583**	**133**	**33**	**1 882**
Algeria	23	24	2	-	-	50
Morocco	50	30	25	-	-	105
Middle East - Africa	8	46	--	-	8	62
Europe	**3 160**	**23 973**	**1 847**	**3 191**	**1 208**	**33 379**
Western Europe	2 421	19 914	1 528	1 944	706	26 513
Economic Community	1 549	15 442	1 203	1 251	280	19 725
Belgium-Luxembourg	60	2 025	40	-	40	2 165
Denmark	30	310	11	--	-	351
France	439	1 838	58	164	59	2 558
Germany, Fed. Rep.	350	5 987	400	203	50	6 990
Greece	70	270	20	18	-	378
Ireland	-	66	-	170	-	236
Italy	390	1 700	580	250	-	2 920
Netherlands	15	40	17	-	22	94
Portugal	18	751	10	69	1	849
Spain	160	1 390	45	280	80	1 955
United Kingdom	17	1 065	22	97	28	1 229
Scandinavia	692	1 905	40	414	378	3 429
Fihland	606	610	27	92	68	1 403
Norway	13	451	-	63	153	680
Sweden	73	844	13	259	157	1 346
Other Western Europe	180	2 567	285	279	48	3 359
Eastern Europe	739	4 059	319	1 247	502	6 866
USSR	**2 300**	**7 600**	**445**	**1 907**	**1 683**	**13 935**
Asia	**19 142**	**2 357**	**1 164**	**1 782**	**465**	**24 910**
China, People's Rep.	1 726	267	7	1 237	-	3 237
Hong Kong	12	-	-	-	-	12
India	360	32	4	43	3	442
Japan	7 340	1 102	300	252	452	9 446
Korea, Rep. of (South)	1 179	44	-	21	-	1 244
Middle East - Asia	196	758	22	96	10	1 082
Southeast Asia	8 243	82	830	118	-	9 273
Oceania	**180**	**925**	**58**	**307**	**67**	**1 538**
Australia	104	742	29	117	12	1 004
New Zealand	62	183	4	190	55	494
World	**50 997**	**49 531**	**5 231**	**9 905**	**7 999**	**123 662**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 4B. World Production of Panel Products, 1988

Trade area[a]	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
			1 000 m^3			
North America	**23 477**	**12 652**	**750**	**1 611**	**4 186**	**42 676**
Canada	2 162	2 872	750	129	586	6 499
United States	21 315	9 780	-	1 482	3 600	36 177
Central America	**357**	**537**	**10**	**139**	**-**	**1 044**
Mexico	286	423	2	91	-	802
South America	**1 629**	**1 285**	**382**	**725**	**242**	**4 263**
Brazil	1 300	660	234	592	200	2 986
Chile	37	172	9	50	-	268
Venezuela	53	98	-	-	18	169
Africa	**638**	**499**	**597**	**133**	**33**	**1 900**
Algeria	23	24	2	-	-	50
Morocco	50	30	25	-	-	105
Middle East - Africa	8	46	--	-	8	62
Europe	**3 277**	**25 116**	**1 813**	**3 421**	**1 217**	**34 844**
Western Europe	2 536	21 007	1 497	2 087	709	27 836
Economic Community	1 664	16 311	1 178	1 405	296	20 854
Belgium-Luxembourg	62	2 025	40	-	44	2 171
Denmark	30	310	11	--	-	351
France	483	2 030	58	199	71	2 841
Germany, Fed. Rep.	370	6 635	400	263	50	7 718
Greece	95	289	20	18	-	422
Ireland	-	66	-	170	-	236
Italy	410	1 700	555	250	-	2 915
Netherlands	15	40	17	-	22	94
Portugal	21	751	10	88	1	871
Spain	160	1 400	45	280	80	1 965
United Kingdom	18	1 065	22	137	28	1 270
Scandinavia	692	1 945	40	385	364	3 426
Finland	610	657	27	94	68	1 456
Norway	13	425	-	62	151	651
Sweden	69	863	13	229	145	1 319
Other Western Europe	180	2 751	279	297	49	3 556
Eastern Europe	741	4 109	316	1 334	508	7 008
USSR	**2 300**	**7 904**	**445**	**1 907**	**1 683**	**14 239**
Asia	**19 261**	**2 420**	**1 174**	**2 032**	**465**	**25 352**
China, People's Rep.	1 777	329	7	1 513	-	3 626
Hong Kong	12	-	-	-	-	12
India	360	32	4	43	3	442
Japan	7 260	1 102	300	252	452	9 366
Korea, Rep. of (South)	1 269	45	-	20	-	1 334
Middle East - Asia	196	758	22	96	10	1 082
Southeast Asia	8 301	82	840	93	-	9 316
Oceania	**196**	**927**	**58**	**310**	**69**	**1 561**
Australia	120	756	29	120	14	1 039
New Zealand	62	171	4	190	55	482
World	**51 135**	**51 340**	**5 229**	**10 278**	**7 895**	**125 877**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 5A. World Production of Wood Pulp, 1987

Trade area[a]	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
			1 000 t		
North America	**56 391**	**4 193**	**14 687**	**1 432**	**76 703**
Canada	12 559	341	9 503	242	22 645
United States	43 832	3 852	5 184	1 190	54 058
Central America	**446**	-	**115**	**4**	**564**
Mexico	446	-	107	4	557
South America	**4 957**	**322**	**514**	**75**	**5 868**
Brazil	3 664	124	332	75	4 195
Chile	708	-	153	-	861
Venezuela	-	-	8	-	8
Africa	**679**	**158**	**285**	**581**	**1 703**
Algeria	-	-	-	-	-
Morocco	81	-	-	-	81
Middle East - Africa	-	-	-	-	-
Europe	**21 770**	**1 633**	**11 025**	**1 030**	**35 458**
Western Europe	19 176	1 390	10 488	711	31 765
Economic Community	5 063	515	3 074	231	8 883
Belgium-Luxembourg	183	-	121	-	304
Denmark	-	70	-	-	70
France	1 492	137	463	6	2 098
Germany, Fed. Rep.	606	79	1 433	142	2 260
Greece	-	-	18	-	18
Ireland		-	-	-	-
Italy	95	68	449	30	642
Netherlands	-	-	133	-	133
Portugal	1 408	-	-	-	1 408
Spain	1 279	24	205	53	1 561
United Kingdom	-	137	252	-	389
Scandinavia	12 505	720	6 892	282	20 399
Finland	4 912	360	3 062	128	8 462
Norway	644	83	1 083	139	1 949
Sweden	6 949	277	2 747	15	9 988
Other Western Europe	1 608	155	522	198	2 483
Eastern Europe	2 594	243	537	319	3 693
USSR	**7 059**	**387**	**2 033**	**895**	**10 374**
Asia	**9 877**	**604**	**2 646**	**434**	**13 561**
China, People's Rep.	1 325	-	384	-	1 709
Hong Kong	-	-	-	-	-
India	510	80	160	250	1 000
Japan	7 413	446	1 698	175	9 732
Korea, Rep. of (South)	149	-	168	-	317
Middle East - Asia	211	3	152	9	375
Southeast Asia	183	35	52	-	270
Oceania	**869**	**204**	**954**	-	**2 027**
Australia	358	184	377	-	919
New Zealand	511	20	577	-	1 108
World	**102 048**	**7 501**	**32 259**	**4 451**	**146 258**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.5% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 5B. World Production of Wood Pulp, 1988

Trade area[a]	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
			1 000 t		
North America	**57 831**	**4 288**	**15 455**	**1 506**	**79 080**
Canada	12 885	335	10 064	266	23 550
United States	44 946	3 953	5 391	1 240	55 530
Central America	**546**	-	**115**	**4**	**664**
Mexico	546	-	107	4	657
South America	**5 102**	**305**	**602**	**83**	**6 092**
Brazil	3 793	109	390	83	4 375
Chile	727	-	182	-	909
Venezuela	-	-	9	-	9
Africa	**674**	**163**	**286**	**581**	**1 704**
Algeria	-	-	-	-	-
Morocco	81	-	-	-	81
Middle East - Africa	-	-	-	-	-
Europe	**22 156**	**1 749**	**11 738**	**1 082**	**36 725**
Western Europe	19 498	1 478	11 195	761	32 932
Economic Community	5 151	525	3 310	231	9 217
Belgium-Luxembourg	183	-	121	-	304
Denmark	-	70	-	-	70
France	1 533	134	526	8	2 201
Germany, Fed. Rep.	629	81	1 508	140	2 358
Greece	-	-	18	-	18
Ireland	-	-	-	-	-
Italy	80	68	473	30	651
Netherlands	-	-	182	-	182
Portugal	1 408	-	-	-	1 408
Spain	1 318	24	209	53	1 604
United Kingdom	-	148	273	-	421
Scandinavia	12 688	782	7 272	307	21 049
Finland	5 205	405	3 239	152	9 001
Norway	620	85	1 129	140	1 974
Sweden	6 863	292	2 904	15	10 074
Other Western Europe	1 659	171	613	223	2 666
Eastern Europe	2 659	271	543	321	3 794
USSR	**7 059**	**387**	**2 033**	**895**	**10 374**
Asia	**10 390**	**598**	**2 885**	**436**	**14 309**
China, People's Rep.	1 375	-	403	-	1 778
Hong Kong	-	-	-	-	-
India	510	80	160	250	1 000
Japan	7 868	434	1 928	177	10 407
Korea, Rep. of (South)	155	-	158	-	313
Middle East - Asia	211	3	152	9	375
Southeast Asia	183	35	52	-	270
Oceania	**930**	**260**	**1 044**	-	**2 234**
Australia	348	241	434	-	1 023
New Zealand	582	19	610	-	1 211
World	**104 688**	**7 750**	**34 157**	**4 587**	**151 183**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.6% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 6A. World Production of Paper and Paperboard, 1987

Trade area[a]	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
			1 000 t			
North America	**14 973**	**21 256**	**39 322**	**5 257**	**2 781**	**83 589**
Canada	9 673	2 660	3 275	449	--	16 057
United States	5 300	18 596	36 047	4 808	2 781	67 532
Central America	**351**	**534**	**1 460**	**393**	**87**	**2 825**
Mexico	351	467	1 367	339	49	2 573
South America	**642**	**1 872**	**3 666**	**732**	**777**	**7 688**
Brazil	232	1 310	2 174	334	662	4 712
Chile	180	64	143	48	7	442
Venezuela	-	117	388	157	12	674
Africa	**349**	**517**	**1 267**	**109**	**135**	**2 377**
Algeria	-	40	78	2	--	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	64	103	-	19	186
Europe	**7 670**	**19 968**	**23 811**	**3 152**	**5 619**	**60 220**
Western Europe	7 307	18 953	21 869	2 900	3 396	54 425
Economic Community	2 330	11 823	13 710	2 205	2 044	32 112
Belgium-Luxembourg	112	414	189	85	46	846
Denmark	-	130	136	18	42	326
France	299	2 309	2 598	220	155	5 581
Germany, Fed. Rep.	826	4 099	3 613	731	669	9 938
Greece	8	62	85	85	40	280
Ireland	-	-	29	-	--	29
Italy	242	2 025	2 086	232	297	4 882
Netherlands	212	603	1 141	158	54	2 168
Portugal	-	168	388	45	26	627
Spain	135	826	1 712	196	382	3 251
United Kingdom	496	1 187	1 733	435	333	4 184
Scandinavia	4 448	5 494	6 343	466	661	17 412
Finland	1 628	3 689	2 177	162	355	8 011
Norway	845	298	374	27	46	1 590
Sweden	1 975	1 507	3 792	277	260	7 811
Other Western Europe	529	1 636	1 816	229	691	4 901
Eastern Europe	363	1 015	1 942	252	2 223	5 795
USSR	**1 700**	**1 310**	-	-	**7 156**	**10 166**
Asia	**4 318**	**10 859**	**13 931**	**1 958**	**12 386**	**43 452**
China, People's Rep.	633	3 406	-	-	8 957	12 996
Hong Kong	-	-	38	2	--	40
India	300	860	435	13	302	1 910
Japan	2 668	5 150	10 845	1 734	2 140	22 537
Korea, Rep. of (South)	302	689	1 780	121	271	3 163
Middle East - Asia	157	194	260	35	124	770
Southeast Asia	205	442	512	52	455	1 666
Oceania	**590**	**278**	**620**	**168**	**536**	**2 192**
Australia	383	234	322	125	484	1 548
New Zealand	207	44	298	43	52	644
World	**30 593**	**56 594**	**84 076**	**11 768**	**29 478**	**212 509**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 31.6% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 68. World Production of Paper and Paperboard, 1988

Trade area[a]	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
			1 000 t			
North America	**15 396**	**22 501**	**39 357**	**5 423**	**3 548**	**86 225**
Canada	9 969	2 913	3 301	455	--	16 638
United States	5 427	19 588	36 056	4 968	3 548	69 587
Central America	**420**	**661**	**1 943**	**490**	**104**	**3 618**
Mexico	420	605	1 845	433	72	3 375
South America	**649**	**1 927**	**3 690**	**740**	**664**	**7 669**
Brazil	247	1 324	2 182	323	563	4 639
Chile	184	66	143	51	5	449
Venezuela	-	138	411	159	--	708
Africa	**438**	**515**	**1 273**	**109**	**131**	**2 466**
Algeria	-	40	78	2	--	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	64	103	-	19	186
Europe	**7 893**	**21 748**	**25 380**	**3 347**	**5 963**	**64 331**
Western Europe	7 565	20 674	23 376	3 090	3 715	58 420
Economic Community	2 668	12 430	14 897	2 370	2 325	34 690
Belgium-Luxembourg	114	414	189	85	46	848
Denmark	-	130	136	18	42	326
France	373	2 374	2 897	298	371	6 313
Germany, Fed. Rep.	897	4 398	3 823	746	712	10 576
Greece	10	62	85	85	40	282
Ireland	-	-	29	-	--	29
Italy	265	2 208	2 490	264	286	5 513
Netherlands	304	691	1 236	171	60	2 462
Portugal	-	168	388	45	26	627
Spain	175	826	1 803	219	395	3 418
United Kingdom	530	1 159	1 821	439	347	4 296
Scandinavia	4 346	6 372	6 620	486	659	18 483
Finland	1 400	4 373	2 343	165	371	8 652
Norway	882	339	370	32	47	1 670
Sweden	2 064	1 660	3 907	289	241	8 161
Other Western Europe	551	1 872	1 859	234	731	5 247
Eastern Europe	328	1 074	2 004	257	2 248	5 911
USSR	**1 750**	**1 310**	-	-	**7 156**	**10 216**
Asia	**4 903**	**11 698**	**15 247**	**2 128**	**13 428**	**47 404**
China, People's Rep.	718	3 715	-	-	9 711	14 144
Hong Kong	-	-	38	2	--	40
India	330	860	435	13	302	1 940
Japan	3 067	5 588	11 768	1 879	2 323	24 625
Korea, Rep. of (South)	368	745	2 125	142	279	3 659
Middle East - Asia	117	191	267	36	131	742
Southeast Asia	248	492	557	55	551	1 903
Oceania	**659**	**373**	**643**	**181**	**545**	**2 401**
Australia	404	326	336	121	514	1 701
New Zealand	255	47	307	60	31	700
World	**32 108**	**60 733**	**87 532**	**12 418**	**31 538**	**224 329**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 31.0% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 7A. World Exports of Forest Products, 1987

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
North America	2 193	5 195	5 798	805	6 437	4 757	8 033	23 265
Canada	342	4 344	4 449	363	4 128	4 547	5 814	15 095
United States	1 851	851	1 349	442	2 309	210	2 219	8 170
Central America	6	38	42	15	-	-	19	83
Mexico	--	1	1	10	-	-	3	14
South America	90	115	347	210	686	77	466	1 800
Brazil	1	28	189	163	398	14	365	1 116
Chile	82	87	93	11	263	61	75	523
Venezuela	-	-	-	-	-	-	-	-
Africa	434	13	223	122	258	55	164	1 200
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	3	40	-	-	42
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	1 507	3 580	4 533	2 924	4 432	2 474	21 629	35 025
Western Europe	1 284	3 254	4 092	2 805	4 359	2 443	21 183	33 723
Economic Community	857	499	1 078	1 777	1 288	347	9 531	14 532
Belgium-Luxembourg	100	34	93	391	101	25	633	1 318
Denmark	33	15	37	51	16	1	135	271
France	324	28	237	258	227	16	1 716	2 762
Germany, Fed. Rep.	260	208	341	575	96	174	3 181	4 455
Greece	1	-	1	17	-	2	18	37
Ireland	5	8	12	3	-	--	9	30
Italy	2	18	37	205	22	15	833	1 098
Netherlands	33	28	145	69	1	63	1 432	1 680
Portugal	38	138	142	98	540	-	99	916
Spain	33	17	19	60	285	2	335	732
United Kingdom	27	5	13	52	1	48	1 140	1 233
Scandinavia	241	2 147	2 159	603	2 802	2 075	9 687	15 492
Finland	127	936	941	438	879	745	7 689	7 074
Norway	39	46	47	28	304	357	714	1 131
Sweden	76	1 164	1 171	137	1 619	973	4 284	7 288
Other Western Europe	186	608	855	424	268	21	1 965	3 698
Eastern Europe	223	326	441	119	73	31	447	1 303
USSR	858	978	1 004	225	468	154	453	3 007
Asia	1 884	119	1 655	2 910	47	64	1 864	8 361
China, People's Rep.	6	30	56	283	33	1	272	649
Hong Kong	14	1	25	92	4	2	113	249
India	1	-	1	13	-	-	1	16
Japan	10	1	16	50	8	24	956	1 040
Korea, Rep. of (South)	-	46	48	56	-	20	261	365
Middle East - Asia	3	12	20	16	-	-	38	78
Southeast Asia	1 762	31	1 478	2 399	3	9	213	5 856
Oceania	429	57	65	45	150	54	163	852
Australia	244	--	5	5	-	1	55	309
New Zealand	51	54	55	37	150	53	108	400
World	7 402	10 095	13 667	7 256	12 478	7 634	32 791	73 594

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for 20.5% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 7B. World Exports of Forest Products, 1988

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
North America	**2 935**	**5 570**	**6 437**	**1 028**	**7 997**	**5 333**	**9 767**	**28 164**
Canada	386	4 436	4 612	441	5 099	5 037	6 903	17 441
United States	2 549	1 134	1 825	587	2 897	295	2 864	10 723
Central America	**5**	**33**	**37**	**16**	**-**	**-**	**29**	**87**
Mexico	--	1	1	10	-	-	3	14
South America	**153**	**125**	**363**	**279**	**953**	**70**	**788**	**2 536**
Brazil	4	33	202	245	625	10	684	1 760
Chile	142	92	101	12	302	58	78	635
Venezuela	-	-	-	-	-	-	-	-
Africa	**538**	**13**	**231**	**122**	**280**	**55**	**161**	**1 332**
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	2	62	-	-	63
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	**1 686**	**3 689**	**4 700**	**3 099**	**4 790**	**2 707**	**25 260**	**39 536**
Western Europe	1 488	3 372	4 285	2 972	4 724	2 676	24 808	38 278
Economic Community	1 130	579	1 252	1 925	1 375	480	11 769	17 451
Belgium-Luxembourg	112	43	98	409	108	18	922	1 649
Denmark	39	18	41	62	17	--	128	288
France	554	43	268	268	229	43	1 898	3 217
Germany, Fed. Rep.	281	257	420	688	132	231	4 339	5 861
Greece	1	-	1	17	-	2	18	37
Ireland	5	8	12	3	-	--	9	30
Italy	2	7	47	202	30	15	903	1 184
Netherlands	37	43	185	63	2	118	1 723	2 009
Portugal	40	138	144	100	551	-	99	933
Spain	31	15	19	58	302	2	327	736
United Kingdom	29	7	17	54	3	50	1 403	1 507
Scandinavia	191	2 149	2 162	604	3 082	2 153	10 939	16 977
Finland	75	1 023	1 030	467	1 054	723	5 558	8 184
Norway	39	64	65	23	369	418	891	1 387
Sweden	76	1 061	1 067	113	1 659	1 012	4 490	7 405
Other Western Europe	167	644	871	443	267	44	2 101	3 849
Eastern Europe	198	317	415	127	66	30	452	1 258
USSR	**879**	**1 019**	**1 045**	**197**	**468**	**154**	**453**	**3 041**
Asia	**1 745**	**133**	**1 979**	**3 376**	**94**	**97**	**2 199**	**9 393**
China, People's Rep.	4	36	70	306	52	3	340	772
Hong Kong	16	1	35	113	15	5	202	381
India	1	-	1	13	-	-	1	16
Japan	7	1	15	40	8	55	961	1 031
Korea, Rep. of (South)	-	54	58	33	-	10	306	396
Middle East - Asia	3	13	20	20	-	-	38	81
Southeast Asia	1 618	28	1 766	2 851	19	17	342	6 596
Oceania	**482**	**67**	**79**	**46**	**150**	**54**	**163**	**920**
Australia	281	1	10	6	-	1	55	352
New Zealand	81	63	64	37	150	53	108	439
World	**8 423**	**10 648**	**14 872**	**8 162**	**14 730**	**8 470**	**38 821**	**85 009**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for 20.5% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 8A. World Imports of Forest Products, 1987

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
North America	**239**	**3 160**	**3 653**	**1 256**	**2 138**	**4 116**	**7 016**	**14 302**
Canada	155	105	344	157	106	-	550	1 313
United States	83	3 054	3 309	1 099	2 032	4 116	6 466	12 989
Central America	**16**	**196**	**243**	**89**	**183**	**72**	**561**	**1 092**
Mexico	3	53	59	9	156	13	141	368
South America	**7**	**29**	**69**	**24**	**211**	**329**	**772**	**1 083**
Brazil	5	-	13	7	25	118	223	272
Chile	-	-	-	-	-	-	46	46
Venezuela	2	3	8	12	100	79	124	246
Africa	**153**	**573**	**720**	**218**	**66**	**89**	**932**	**2 089**
Algeria	46	87	88	10	21	2	129	294
Morocco	27	42	56	5	8	6	42	139
Middle East - Africa	61	400	432	154	4	57	292	943
Europe	**2 915**	**5 374**	**7 799**	**4 012**	**7 307**	**2 596**	**19 493**	**41 525**
Western Europe	2 810	5 037	7 450	3 891	6 951	2 531	19 034	40 135
Economic Community	1 627	4 530	6 741	3 309	6 263	2 473	17 085	35 025
Belgium-Luxembourg	159	190	407	195	289	104	1 189	2 239
Denmark	25	303	337	225	63	139	716	1 367
France	234	364	584	367	1 015	226	2 881	5 081
Germany, Fed. Rep.	343	752	1 120	797	1 855	620	3 986	8 102
Greece	49	102	117	27	80	43	190	462
Ireland	2	37	53	34	7	26	172	268
Italy	501	742	1 228	265	1 118	187	1 406	4 518
Netherlands	72	401	737	431	351	226	1 730	3 321
Portugal	84	1	10	5	21	31	1 57	277
Spain	111	126	248	47	252	70	626	1 284
United Kingdom	47	1 512	1 899	916	1 211	800	4 031	8 105
Scandinavia	811	217	303	284	176	-	712	2 286
Finland	206	1	18	21	51	-	142	439
Norway	150	201	224	98	48	-	241	761
Sweden	455	15	60	165	77	-	329	1 086
Other Western Europe	371	290	406	298	512	58	1 237	2 824
Eastern Europe	105	337	349	121	356	65	459	1 391
USSR	**26**	**15**	**53**	**38**	**145**	**6**	**397**	**659**
Asia	**7 341**	**1 653**	**2 989**	**1 649**	**2 694**	**916**	**4 544**	**19 217**
China, People's Rep.	1 011	5	321	364	441	85	1 295	3 432
Hong Kong	60	2	39	224	6	87	657	987
India	67	--	1	1	39	94	158	267
Japan	5 261	1 343	1 895	598	1 436	337	608	9 799
Korea, Rep. of (South)	640	3	91	-	403	-	177	1 311
Middle East - Asia	212	299	401	295	103	106	615	1 626
Southeast Asia	74	1	233	129	240	176	845	1 521
Oceania	**3**	**162**	**237**	**58**	**130**	**131**	**651**	**1 079**
Australia	--	142	206	41	120	95	492	859
New Zealand	3	10	19	6	10	32	140	178
World	**10 700**	**11 163**	**15 763**	**7 344**	**12 873**	**8 255**	**34 365**	**81 045**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 1.6% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 8B. World Imports of Forest Products, 1988

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
North America	**290**	**3 125**	**3 640**	**1 283**	**2 674**	**4 462**	**8 310**	**16 198**
Canada	183	201	488	195	122	-	905	1 893
United States	107	2 925	3 152	1 088	2 552	4 462	7 405	14 305
Central America	**16**	**210**	**239**	**96**	**174**	**72**	**544**	**1 070**
Mexico	3	90	96	9	155	13	141	404
South America	**8**	**29**	**62**	**50**	**231**	**321**	**797**	**1 149**
Brazil	6	-	6	33	40	104	216	299
Chile	-	-	-	-	-	-	46	46
Venezuela	2	3	8	12	100	79	124	246
Africa	**182**	**575**	**732**	**220**	**73**	**72**	**907**	**2 114**
Algeria	46	116	117	10	21	2	129	324
Morocco	57	63	83	6	16	8	43	205
Middle East - Africa	61	352	384	154	4	39	274	876
Europe	**3 123**	**5 840**	**8 394**	**4 555**	**8 160**	**2 939**	**22 628**	**46 859**
Western Europe	3 023	5 566	8 108	4 450	7 814	2 875	22 181	45 576
Economic Community	1 828	5 103	7 431	3 822	7 098	2 826	20 016	40 195
Belgium-Luxembourg	239	186	378	215	271	115	1 306	2 409
Denmark	31	310	342	195	75	140	713	1 357
France	238	425	651	367	1 039	261	3 201	5 496
Germany, Fed. Rep.	350	819	1 189	855	2 295	645	4 855	9 544
Greece	49	102	117	27	80	43	190	462
Ireland	2	37	53	34	7	26	172	268
Italy	498	772	1 296	273	1 222	187	1 398	4 688
Netherlands	80	447	760	503	430	233	1 937	3 710
Portugal	103	1	16	5	21	31	157	301
Spain	166	147	288	69	244	76	707	1 475
United Kingdom	72	1 858	2 340	1 281	1 413	1 068	5 379	10 484
Scandinavia	818	210	314	301	172	-	796	2 401
Finland	225	2	32	24	46	-	194	521
Norway	141	180	201	102	49	-	273	765
Sweden	452	29	81	175	77	-	329	1 114
Other Western Europe	376	253	364	327	544	49	1 369	2 980
Eastern Europe	100	275	286	104	346	64	447	1 283
USSR	**28**	**15**	**54**	**37**	**145**	**6**	**397**	**660**
Asia	**7 436**	**1 993**	**3 578**	**1 807**	**3 535**	**946**	**5 383**	**21 739**
China, People's Rep.	1 213	10	255	282	507	102	1 295	3 554
Hong Kong	67	2	49	252	18	104	834	1 219
India	101	--	1	1	39	94	158	301
Japan	4 821	1 693	2 497	760	1 954	306	957	10 988
Korea, Rep. of (South)	906	14	130	-	559	-	214	1 809
Middle East - Asia	208	273	382	292	143	106	607	1 633
Southeast Asia	103	1	255	182	291	204	1 131	1 962
Oceania	**3**	**239**	**316**	**58**	**130**	**131**	**670**	**1 178**
Australia	--	219	286	41	120	95	512	958
New Zealand	3	10	19	6	10	32	140	178
World	**11 087**	**12 028**	**17 015**	**8 106**	**15 123**	**8 948**	**39 636**	**90 967**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 2.1% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 9A. World Apparent Consumption of Forest Products, 1987

Trade area[a]	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard	
		Softwood lumber	Total			Newsprint	Total
	1 000 m^3				1 000 t		
North America	**686 579**	**136 516**	**156 778**	**43 930**	**68 670**	**14 036**	**80 179**
Canada	175 842	20 370	21 793	5 697	14 602	901	5 405
United States	510 737	116 145	134 986	38 233	54 068	13 135	74 774
Central America	**59 252**	**3 523**	**5 146**	**1 288**	**1 052**	**492**	**3 605**
Mexico	21 990	2 270	2 814	831	982	377	2 707
South America	**317 366**	**10 091**	**25 082**	**3 583**	**4 966**	**1 121**	**8 003**
Brazil	241 715	8 317	17 819	2 484	3 426	448	4 426
Chile	13 936	1 319	1 670	206	335	53	343
Venezuela	1 341	31	389	176	303	150	870
Africa	**470 976**	**4 744**	**10 988**	**2 004**	**1 284**	**331**	**3 223**
Algeria	2 213	455	464	76	37	4	299
Morocco	2 257	415	524	108	17	9	184
Middle East - Africa	68 667	1 672	1 888	357	10	72	544
Europe	**372 850**	**74 263**	**95 223**	**37 485**	**40 426**	**7 436**	**57 516**
Western Europe	288 101	59 259	75 304	30 391	36 156	6 934	51 510
Economic Community	129 872	42 855	56 331	25 178	17 715	5 806	43 986
Belgium-Luxembourg	6 143	1 590	2 369	1 090	637	240	1 684
Denmark	1 409	1 847	2 193	804	131	230	988
France	37 467	7 667	11 149	3 080	3 526	675	7 407
Germany, Fed. Rep.	32 927	10 886	13 040	7 859	5 309	1 528	11 688
Greece	3 479	674	947	494	185	85	498
Ireland	931	471	524	362	11	53	272
Italy	14 300	4 583	7 099	3 409	2 652	517	5 887
Netherlands	1 364	2 275	3 293	1 310	751	467	2 576
Portugal	9 890	686	1 050	312	432	54	621
Spain	16 583	2 510	3 802	1 911	1 473	250	3 627
United Kingdom	5 379	9 667	10 865	4 548	2 608	1 706	8 738
Scandinavia	119 963	9 369	9 861	2 707	15 439	557	3 831
Finland	47 139	2 588	2 705	654	6 955	191	1 247
Norway	12 172	2 892	2 945	731	1 422	119	616
Sweden	60 652	3 889	4 211	1 322	7 063	247	1 967
Other Western Europe	38 265	7 035	9 112	2 506	2 902	572	3 694
Eastern Europe	84 750	15 005	19 919	7 094	4 370	502	6 006
USSR	**370 318**	**81 756**	**94 335**	**12 828**	**9 511**	**1 348**	**9 469**
Asia	**1 086 224**	**60 230**	**109 097**	**21 409**	**18 847**	**5 834**	**47 644**
China, People's Rep.	289 388	17 091	27 452	3 956	2 744	850	14 136
Hong Kong	841	7	348	283	4	167	1 008
India	260 193	2 376	17 466	427	1 067	475	2 147
Japan	79 918	32 033	37 580	11 753	12 426	3 052	22 503
Korea, Rep. of (South)	13 434	2 630	4 294	1 068	1 104	263	2 921
Middle East - Asia	26 563	5 026	7 228	1 941	565	360	1 611
Southeast Asia	266 955	-77	12 244	1 684	716	557	2 651
Oceania	**28 475**	**3 623**	**6 080**	**1 485**	**1 822**	**768**	**2 702**
Australia	12 628	1 990	4 189	1 086	1 180	616	2 113
New Zealand	8 307	1 517	1 578	351	642	147	566
World	**3 392 040**	**374 746**	**502 729**	**124 013**	**146 577**	**31 366**	**212 341**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations, 1988 Yearbook of Forest Products.

IX - 9B. World Apparent Consumption of Forest Products, 1988

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total
	1 000 m^3				1 000 t		
North America	**687 565**	**132 433**	**150 777**	**42 971**	**70 525**	**14 249**	**82 572**
Canada	178 694	19 252	20 240	4 836	15 623	1 415	6 058
United States	508 870	113 181	130 537	38 135	54 903	12 834	76 514
Central America	**60 394**	**3 795**	**5 300**	**1 340**	**1 120**	**567**	**4 384**
Mexico	22 315	2 545	3 089	831	1 057	446	3 509
South America	**320 646**	**10 194**	**25 120**	**3 498**	**5 011**	**1 060**	**7 393**
Brazil	245 731	8 265	17 639	2 351	3 369	387	3 751
Chile	12 619	1 475	1 807	207	438	65	356
Venezuela	1 476	31	378	189	304	150	904
Africa	**484 722**	**4 931**	**11 196**	**2 038**	**1 273**	**1 196**	**4 107**
Algeria	2 275	608	617	76	37	4	299
Morocco	2 674	483	589	109	6	12	183
Middle East - Africa	70 316	1 472	1 688	357	10	849	1 321
Europe	**384 562**	**75 932**	**97 124**	**39 561**	**41 832**	**7 891**	**60 589**
Western Europe	301 007	62 188	78 434	32 385	37 320	7 425	54 444
Economic Community	135 111	45 409	59 030	27 038	18 265	6 243	46 716
Belgium-Luxembourg	6 884	1 595	2 311	1 105	588	271	1 633
Denmark	1 576	1 829	2 142	762	129	223	990
France	38 948	8 306	11 953	3 342	3 672	763	8 333
Germany, Fed. Rep.	33 466	11 358	13 526	8 286	5 449	1 542	11 967
Greece	3 545	653	929	538	185	87	500
Ireland	968	471	524	362	11	53	272
Italy	14 815	4 942	7 535	3 444	2 838	540	6 434
Netherlands	1 430	2 360	3 208	1 422	837	493	2 773
Portugal	9 915	732	1 103	318	412	54	621
Spain	17 303	2 656	4 042	2 061	1 472	299	3 921
United Kingdom	6 260	10 509	11 757	5 398	2 672	1 919	9 272
Scandinavia	126 388	9 707	10 187	2 722	15 949	631	4 099
Finland	53 885	2 694	2 816	705	7 452	197	1 467
Norway	12 465	2 620	2 650	715	1 439	167	616
Sweden	60 038	4 393	4 722	1 302	7 058	267	2 016
Other Western Europe	39 509	7 072	9 217	2 626	3 106	550	3 629
Eastern Europe	83 554	13 744	18 690	7 176	4 512	466	6 144
USSR	**371 513**	**82 319**	**94 999**	**13 270**	**9 511**	**1 398**	**9 519**
Asia	**1 105 347**	**60 768**	**109 413**	**21 460**	**20 089**	**6 277**	**52 188**
China, People's Rep.	290 196	17 067	27 404	4 099	2 872	934	15 194
Hong Kong	844	12	359	255	5	150	1 003
India	265 374	2 376	17 466	427	1 067	505	2 177
Japan	82 742	32 704	38 592	11 977	13 453	3 337	25 164
Korea, Rep. of (South)	14 187	2 674	4 462	1 234	1 173	352	3 458
Middle East - Asia	26 502	4 841	7 104	1 906	603	320	1 581
Southeast Asia	272 738	-49	11 542	1 260	686	569	2 969
Oceania	**28 319**	**4 305**	**6 792**	**1 507**	**2 029**	**837**	**2 934**
Australia	12 181	2 645	4 874	1 119	1 284	637	2 290
New Zealand	8 430	1 545	1 606	339	745	195	622
World	**3 443 068**	**374 677**	**500 722**	**125 644**	**151 390**	**33 474**	**223 686**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 10. Apparent Consumption of Forest Products by Major Commodity Group and Selected Countries, 1961-1988

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard	
		Softwood lumber	Total			News-print	Total
	1 000 m^3				1 000 t		
A. Canada							
1961	91 109	7 007	8 085	1 374	8 027	422	2 241
1965	100 792	9 226	10 531	1 969	9 810	481	3 031
1970	117 973	8 470	9 811	2 951	11 592	657	3 347
1975	115 955	11 298	12 709	4 168	9 927	661	3 440
1980	157 742	14 600	16 611	3 692	12 842	918	4 094
1981	143 504	12 634	14 224	3 945	12 661	959	4 655
1982	128 768	8 980	10 248	3 132	11 031	1 039	4 096
1983	155 292	7 966	9 296	4 373	12 551	1 011	4 437
1984	165 763	12 079	13 775	4 132	13 606	1 065	4 858
1985	168 518	15 442	16 936	4 536	13 446	716	4 831
1986	177 297	17 130	18 421	4 799	14 157	698	5 125
1987	175 842	20 370	21 793	5 697	14 602	901	5 405
1988	178 694	19 252	20 240	4 836	15 623	1 415	6 058
B. United States							
1961	291 309	69 145	83 454	11 552	23 917	6 655	34 910
1965	320 518	78 193	96 268	17 877	30 712	7 637	42 298
1970	315 422	75 711	93 090	25 203	37 676	9 032	49 773
1975	291 896	71 933	85 697	26 211	37 187	8 503	48 314
1980	399 337	84 110	101 196	27 401	46 448	10 673	60 577
1981	404 209	76 826	92 755	28 385	47 564	10 837	61 307
1982	379 778	76 199	87 341	25 401	45 022	10 219	58 584
1983	420 764	91 587	104 726	31 435	48 091	10 697	63 094
1984	457 579	100 511	114 913	33 127	51 226	11 912	68 575
1985	457 334	104 107	118 437	34 916	49 629	12 324	67 835
1986	493 921	110 405	127 651	37 354	52 020	12 543	71 086
1987	510 737	116 145	134 986	38 233	54 068	13 135	74 774
1988	508 870	113 181	130 537	38 135	54 903	12 834	76 514
C. World							
1961	2 053 568	262 913	344 211	26 335	61 607	14 477	77 465
1965	2 228 368	292 152	382 128	42 080	77 756	16 918	97 206
1970	2 462 646	311 627	413 503	69 839	101 646	21 408	125 897
1975	2 580 987	303 884	404 362	84 381	101 742	20 874	130 404
1980	2 937 753	331 111	448 547	100 450	125 240	25 686	168 780
1981	2 946 302	313 270	428 067	100 256	124 492	26 495	169 614
1982	2 938 953	309 512	421 009	96 279	119 255	25 623	167 213
1983	3 056 533	324 435	438 061	104 994	127 670	26 142	175 940
1984	3 171 038	340 971	458 196	108 154	135 417	28 099	189 214
1985	3 202 084	347 913	466 998	111 348	135 359	28 613	191 659
1986	3 308 692	361 488	483 018	117 342	140 657	29 644	201 440
1987	3 392 040	374 746	502 729	124 013	146 577	31 366	212 341
1988	3 443 068	374 677	500 722	125 644	151 390	33 474	223 686

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 11. Production of Forest Products (Quantity) by Major Commodity Group and Selected Countries, 1961-1988

Country/ year	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total
	1 000 m^3				1 000 t		
A. Canada							
1961	93 569	18 483	19 644	1 493	10 574	6 095	7 975
1965	103 670	24 302	25 782	2 314	13 221	7 003	9 758
1970	121 385	25 408	26 932	3 288	16 609	7 996	11 253
1975	115 276	25 742	26 715	3 734	14 831	7 010	10 067
1980	158 842	42 895	44 324	4 802	19 945	8 625	13 390
1981	144 572	38 719	39 675	4 711	19 275	8 946	13 835
1982	129 673	36 078	37 168	4 134	17 007	8 117	12 408
1983	156 965	41 157	42 070	5 324	19 221	8 486	13 353
1984	167 482	48 582	49 869	5 474	20 451	9 014	14 222
1985	168 654	53 443	54 586	6 056	20 250	8 991	14 448
1986	177 097	54 163	55 057	5 926	21 512	9 289	15 259
1987	177 097	61 011	61 961	6 776	22 645	9 673	16 057
1988	179 957	59 611	80 596	6 499	23 550	9 969	16 636
B. United States							
1961	289 770	61 086	75 161	10 832	22 759	1 863	30 758
1965	322 564	68 815	86 437	16 412	29 154	1 978	37 866
1970	327 945	64 971	81 854	23 026	37 318	3 143	45 805
1975	307 723	61 867	75 903	25 005	36 808	3 348	45 248
1980	413 453	66 588	84 112	26 224	46 187	4 238	56 839
1981	419 016	59 969	76 310	27 300	47 200	4 753	57 667
1982	396 896	58 830	70 307	24 204	44 786	4 574	54 899
1983	437 762	68 208	81 290	29 518	47 660	4 687	58 804
1984	474 562	73 571	88 451	30 904	50 398	5 029	62 366
1985	476 120	73 918	88 361	32 194	49 061	4 923	60 959
1986	511 489	81 951	99 632	34 908	51 927	5 108	64 444
1987	530 103	88 264	107 691	36 056	54 058	5 300	67 532
1988	532 932	88 264	107 691	36 177	55 530	5 427	69 587
C. World							
1961	2 050 551	263 251	344 219	26 281	61 531	14 362	77 493
1965	2 223 128	293 171	382 476	41 893	77 806	17 017	97 615
1970	2 463 422	312 099	414 553	69 560	101 936	21 492	126 481
1975	2 582 994	304 740	405 096	84 437	102 103	20 442	130 472
1980	2 933 730	333 738	450 031	101 115	125 820	25 415	170 220
1981	2 939 363	315 592	430 039	100 376	125 180	26 513	170 954
1982	2 935 395	311 509	422 852	96 255	119 576	24 961	167 267
1983	3 049 196	327 308	441 463	105 530	128 216	25 999	177 224
1984	3 163 214	343 226	460 831	108 571	135 618	27 777	189 948
1985	3 195 050	348 836	467 465	111 847	135 488	28 246	192 678
1986	3 298 860	361 388	483 029	117 494	140 802	29 347	201 994
1987	3 384 208	377 364	504 678	123 662	146 258	30 593	212 509
1988	3 431 072	378 582	506 431	125 877	151 183	32 108	224 329

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 12. Exports of Forest Products (Quantity) by Major Commodity Group and Selected Countries, 1961-1988

Country/ year	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total
	1 000 m^3				1 000 t		
A. Canada							
1961	3 781	11 832	12 169	210	2 603	5 673	5 881
1965	4 950	15 458	15 932	468	3 495	6 523	6 871
1970	5 598	17 337	17 743	579	5 063	7 339	8 073
1975	2 402	15 305	15 522	482	4 986	6 349	7 158
1980	4 249	28 966	29 326	1 344	7 244	7 707	9 555
1981	3 930	27 293	27 631	1 218	6 752	7 987	9 558
1982	3 564	27 605	27 903	1 171	6 123	7 078	8 642
1983	5 022	33 964	34 249	1 265	6 823	7 475	9 341
1984	5 737	37 131	37 484	1 619	7 040	7 949	9 903
1985	4 750	38 664	39 004	1 819	7 024	8 275	10 157
1986	5 068	37 826	38 192	1 587	7 622	8 591	10 763
1987	6 157	41 381	41 862	1 586	8 241	8 772	11 338
1988	6 499	41 453	42 202	2 237	8 099	8 554	11 514
B. United States							
1961	2 662	1 450	1 797	43	1 068	165	946
1965	5 796	1 969	2 304	86	1 272	76	1 490
1970	16 391	2 720	3 035	304	2 808	130	2 421
1975	18 198	3 248	4 073	1 025	2 391	150	2 569
1980	22 362	4 647	5 834	968	3 392	159	4 120
1981	17 849	4 477	5 618	1 315	3 322	245	3 576
1982	19 759	3 818	4 694	917	3 060	279	3 288
1983	20 269	4 332	5 522	1 135	3 275	268	3 577
1984	19 935	3 748	5 016	1 048	3 215	278	3 488
1985	21 368	3 555	4 534	936	3 415	285	3 215
1986	20 410	4 406	5 662	1 361	4 013	356	3 913
1987	22 566	5 781	7 571	1 708	4 397	308	4 112
1988	27 084	7 637	10 686	2 147	4 987	388	4 595
C. World							
1961	38 351	36 352	40 981	3 084	9 773	7 732	12 772
1965	49 768	43 950	49 434	5 292	12 480	8 985	16 489
1970	96 382	49 348	57 424	9 728	16 921	10 641	23 387
1975	100 942	43 250	52 410	12 436	15 078	9 369	23 074
1980	116 957	65 938	79 625	16 323	21 188	12 321	35 041
1981	100 190	60 646	72 534	16 758	20 197	12 922	35 364
1982	99 035	61 439	73 094	15 442	18 533	11 508	33 667
1983	101 076	70 576	83 780	17 387	21 080	12 143	36 812
1984	103 400	72 755	86 112	18 232	21 529	13 127	39 902
1985	106 499	73 473	85 981	19 284	21 777	13 807	40 907
1986	107 004	73 656	87 041	20 605	23 291	14 170	43 500
1987	118 456	78 825	94 320	23 450	24 628	14 565	47 207
1988	125 583	81 355	99 558	25 471	25 510	14 469	51 119

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 13. Exports of Forest Products (Value) by Major Commodity Group and Selected Countries, 1961-1988

Country/ year	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: News-print	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
A. Canada								
1961	39	343	366	35	332	730	764	1 535
1965	50	456	490	70	459	809	866	1 935
1970	71	614	650	77	753	1 085	1 192	2 743
1975	58	933	961	94	1 789	1 714	1 980	4 881
1980	172	2 793	2 884	274	3 311	3 143	3 883	10 523
1981	162	2 471	2 553	255	3 186	3 608	4 272	10 428
1982	175	2 311	2 378	251	2 622	3 309	3 975	9 401
1983	222	3 169	3 238	301	2 481	3 250	3 998	10 240
1984	268	3 232	3 306	349	3 019	3 695	4 577	11 519
1985	207	3 316	3 381	355	2 484	3 958	4 794	11 221
1986	268	3 505	3 584	328	2 932	4 079	5 029	12 140
1987	342	4 344	4 449	363	4 128	4 547	5 814	15 095
1988	386	4 436	4 612	441	5 099	5 037	6 903	17 441
B. United States								
1961	55	62	84	10	159	23	212	521
1965	127	94	120	23	190	11	317	777
1970	407	162	194	42	464	19	515	1 621
1975	871	342	413	222	897	52	1 101	3 504
1980	2 007	778	1 054	284	1 629	86	2 017	6 990
1981	1 585	653	926	349	1 656	140	2 013	6 528
1982	1 528	576	805	251	1 408	143	1 714	5 706
1983	1 372	596	898	311	1 351	127	1 719	5 651
1984	1 374	530	835	236	1 483	114	1 813	5 742
1985	1 451	493	754	228	1 343	131	1 559	5 335
1986	1 420	640	987	330	1 650	195	1 899	6 286
1987	1 851	851	1 349	442	2 309	210	2 219	8 170
1988	2 549	1 134	1 825	587	2 897	295	2 864	10 723
C. World								
1961	660	1 344	1 608	407	1 205	1 001	2 088	5 977
1965	926	1 701	2 045	686	1 598	1 125	2 689	7 944
1970	1 896	2 108	2 688	1 146	2 498	1 493	4 336	12 565
1975	3 726	3 839	4 976	2 273	5 344	2 729	9 492	25 811
1980	8 763	9 087	12 344	5 161	9 543	5 293	20 047	55 858
1981	6 647	7 681	10 260	4 922	9 279	5 868	20 044	51 152
1982	6 281	7 007	9 402	4 327	7 773	5 282	18 732	46 514
1983	5 896	8 044	10 837	4 653	7 698	5 062	18 525	47 609
1984	5 409	7 984	10 611	4 516	9 065	5 582	20 721	50 323
1985	5 488	7 716	10 118	4 845	7 837	6 040	21 606	49 893
1986	5 889	8 642	11 617	5 447	9 152	6 617	25 765	57 870
1987	7 402	10 095	13 667	7 256	12 478	7 634	32 791	73 594
1988	8 423	10 648	14 872	8 162	14 730	8 470	38 821	85 009

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

IX - 14. Imports of Forest Products (Value) by Major Commodity Group and Selected Countries, 1961-1988

Country/ year	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
A. Canada								
1961	14	15	31	14	8	-	42	108
1965	27	17	36	20	12	-	51	146
1970	30	21	39	36	8	-	48	161
1975	63	70	127	143	28	-	247	607
1980	82	92	251	76	64	-	224	697
1981	84	108	255	129	67	-	321	855
1982	80	58	157	54	68	-	273	632
1983	102	99	240	95	66	-	338	841
1984	128	84	246	99	94	-	438	1 005
1985	136	82	230	100	91	-	424	980
1986	166	103	280	135	90	-	471	1 141
1987	155	105	344	157	106	-	550	1 313
1988	183	201	488	195	122	-	905	1 893
B. United States								
1961	39	274	315	108	303	687	718	1 483
1965	35	318	375	192	398	790	833	1 834
1970	46	424	487	265	480	930	1 022	2 300
1975	52	834	920	334	1 037	1 457	1 614	3 957
1980	94	1 767	1 915	586	1 673	2 638	3 314	7 582
1981	97	1 699	1 851	660	1 753	2 825	3 347	7 709
1982	91	1 569	1 671	504	1 485	3 749	4 338	8 089
1983	114	2 646	2 800	853	1 485	2 817	3 734	8 987
1984	96	2 557	2 723	766	1 845	3 370	5 067	10 496
1985	80	2 772	2 942	791	1 517	3 720	5 427	10 756
1986	60	2 841	2 997	852	1 581	3 682	5 621	11 111
1987	83	3 054	3 309	1 099	2 032	4 116	6 466	12 989
1988	107	2 925	3 152	1 088	2 552	4 462	7 405	14 305
C. World								
1961	936	1 509	1 841	435	1 316	1 125	2 230	6 758
1965	1 357	1 925	2 361	730	1 743	1 251	2 870	9 062
1970	2 721	2 441	3 021	1 184	2 650	1 619	4 568	14 144
1975	5 187	4 222	5 587	2 309	5 594	3 117	10 151	28 827
1980	12 438	10 181	13 969	5 237	9 777	5 758	20 846	62 269
1981	8 998	8 271	11 399	5 131	9 607	6 163	21 007	56 143
1982	8 534	8 082	11 035	4 577	8 452	6 935	21 644	54 242
1983	8 017	8 679	11 727	4 736	8 076	5 563	20 081	52 636
1984	7 974	8 459	11 495	4 648	9 348	6 071	22 314	55 780
1985	7 567	8 276	11 212	4 610	8 430	6 534	23 397	55 216
1986	8 232	9 497	12 755	5 468	9 542	7 089	28 148	64 145
1987	10 700	11 163	15 763	7 344	12 873	8 255	33 365	81 045
1988	11 087	12 028	17 015	8 106	15 123	8 948	39 636	90 967

Source: Food and Agriculture Organization of the United Nations. 1988 Yearbook of Forest Products.

SECTION X

USER'S GUIDE

- Definitions of terms
- Trade area groupings
- Reference notes

X. USER'S GUIDE

A . Definitions of terms

Age class: Any interval into which the age range of trees, forests, stands, or forest types is divided for classification and use. Also the tree, forest, stand, or forest type falling into such an interval.

Balance of trade: The difference between the dollar, or money value, of a country's exports and imports of merchandise or of goods and services. If a country exports more than it imports, it has a trade surplus; if it imports more than it exports, it has a trade deficit. The balance of trade is an important part of a country's overall balance of payments.

Cansim (Canadian Socio-Economic Information Management System): A fully computerized data bank of Statistics Canada's current and historical information from its most widely used series of statistics.

Clear-cut: An area of forest land from which all merchantable trees have recently been harvested.

Constant dollar: Represents the value of expenditure or production measured in terms of some fixed base period's prices. (Changes in constant dollar expenditure or production can only be brought about by changes in the physical quantities of goods purchased or produced.)

Consumer price index: Measures the rate of change in a typical basket of consumer goods and services, including housing, food, and health care. It can be broken down into food and nonfood items, goods and services, and other components.

Domestic exports: Include goods grown, extracted or manufactured in Canada, including goods of foreign origin which have been materially transformed in Canada.

Employment, census of manufactures: Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those employees at the establishment engaged in processing, assembling, storing, inspecting, handling, and packing products and in maintenance, repair, janitorial, and security services; and working foremen. (Outside pieceworkers' remuneration is included in cost of materials). Administrative office and other non-manufacturing employees include all functions at head offices, sale offices and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

Employment, labour force survey: Persons who, during the reference period: a) did any work at all, for pay or profit in the context of an employer-employee relationship, or were self-employed (including unpaid family work, which is defined as work contributing directly to the operation of a family farm, business, or professional practice owned or operated by a related member of the household); or b) had a job but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, or other reasons (excluding persons on layoff and those with a job to start at a future date).

Establishment: The smallest unit capable of reporting certain specified input and output data; usually a plant or mill. Numbers for 1975 declined owing to the exclusion of existing establishments deemed to have no paid employees. Principal statistics of an establishment active in more than one municipality are prorated to "quasi-establishment" locations, which are treated as establishments in compilations.

Even-aged: Of a forest, stand or forest type in which relatively small age differences exist between individual trees. (The maximum difference in age permitted is usually 10 to 20 years; if the stand will not be harvested until it is 100 to 200 years old, larger differences up to 25% of the rotation age may be allowed.)

Forest biomass (as reported in section I, table I-1): It is the mass of the above-ground portion of live trees; it is expressed as ovendry tonnes; it includes small-diameter trees and it excludes dead trees and branches, roots, and nonwoody vegetation.

Forest land: Land primarily intended for growing, or currently supporting, forest. Includes land not now forested, e.g. clear-cut lands; northern lands that are forested but not intended for any use; and plantations.

Fuel and electricity (cost of): Consumption of purchased fuel and electricity only, at laid-down cost including transportation and handling charges, duties, etc. Applies to large establishments only. Data for nonmanufacturing activity are included under manufacturing activity except where an ancillary office uses a separate "head office" report. In this latter case, the fuel reported is included under cost of materials for "Total Activity" only.

Gross merchantable volume of wood: Volume of the main stem, excluding stump and top but including defective and decayed wood, of trees or stands of trees.

Growing stock: The sum (by number, basal area, or volume) of trees in a forest or a specified part of it.

Hardwood(s): Trees belonging to the botanical group Angiospermae with broad leaves usually all shed annually. Also, stands of such trees and the wood produced by them.

Immature: In even-aged management, those trees or stands that have grown past the regeneration stage but are not yet mature.

Implicit price index: The most comprehensive of all the indicators available in Canada for measuring price change, because it covers the entire range of goods and services produced and sold in the economy. It is, therefore, used as a measure of price change taking place in the economy as a whole. Moreover, implicit price indexes are available for each of the main expenditure components of Gross National Product. Therefore, this set of indicators can be used to trace and identify pressure points among the principal areas of demand as they are seen to be associated with inflationary developments in the economy.

Imports: Include all goods which have crossed Canada's territorial boundary, whether for immediate consumption in Canada or stored in bonded Customs warehouses.

Indirect taxes: Taxes that represent a business cost or that are incorporated into prices at the retail level are taken here as indirect. They constitute, in effect, taxes on expenditures.

Lumber: The product of saw and planing mills that is not further manufactured beyond sawing, resawing, passing lengthwise through a standard planing machine, crosscutting to length, and matching.

Materials and supplies (cost of): Generally, consumption of purchased items only at laid-down cost including transportation and handling charges, duties, etc. Includes transfers between units of the same company and work done on contract by others. At the manufacturing activity level, this item represents purchased items used in manufacturing operations.

Mature: In even-aged management, those trees or stands that are sufficiently developed to be harvestable and that are at or near rotation age (includes overmature trees and stands if an overmature class has not been recognized).

Mechanical wood pulp: The production of fibers and fiber bundles by grinding wood with pulpstones or by mechanical refiners as opposed to chemical methods.

Nonreserved (land): Forest land that, by law or policy, is available for the harvesting of forest crops.

Overmature: In even-aged management, those trees or stands past the mature stage.

Paper: Generally, a matted or felted sheet of vegetable fiber, formed on a screen from a water suspension, used for writing and printing as well as for wrapping and many other purposes. Paper is one of two broad subdivisions of the general term "paper"; the other is paperboard.

Paperboard: A general term describing sheets made of fibrous material 0.012 in. (0.3 mm) or more in thickness. Compared with paper, paperboard is heavier per unit area, thicker, and more rigid. Paperboard is the term used to describe any single variety, or group of varieties, of board materials used in the production of boxes, folding cartons, and solid fiber and corrugated shipping containers.

Particleboard: A generic term for a panel manufactured from lignocellulosic materials - commonly wood - essentially in the form of particles (as distinct from fibers). These materials are bonded together with synthetic resin or other suitable binder, under heat and pressure, by a process wherein the interparticle bonds are created wholly by the added binder.

Plywood: A composite panel or board made up of cross-banded layers or plies, bonded with an adhesive, of veneer only, or veneer in combination with a core of lumber, or of particleboard. Generally the grain of one or more plies is roughly at right angles to that of the other plies. An odd number of plies is almost always used.

Production and related workers: See Employment, Census of Manufactures.

Productive (land): Forest land that is capable of producing a merchantable stand within a reasonable length of time.

Re-exports: Exports of goods of foreign origin which have not been materially transformed in Canada, including foreign goods withdrawn for export from bonded Customs warehouses.

Reforestation: The process of rebuilding a forest after it has been logged, or after a fire or other natural processes such as disease kill the timber. Reforestation is accomplished through a variety of methods, including the planting of seedlings, the sowing of seed, or natural regeneration from "seed trees." (Before replanting, the ground usually is cleared of most of the debris, and efforts are made to limit the growth of brush and grasses that would compete with the seedlings for water and light.

Regeneration: The renewal of a forest crop by natural or artificial means. Also, the new crop so obtained. The new crop is generally less than one metre in height.

Reserved (land): Forest land that, by law or policy, is not available for the harvesting of forest crops.

Roundwood: Sections of tree stems, with or without bark. Includes logs, bolts, posts, pilings and other products still "in the round."

Salaries and wages: These are compiled before deductions for income tax and employee-paid portions of both employee benefits and social insurance. They include payments for regular work, overtime, and paid leave as well as bonuses, commissions paid to regular employees, severence pay, etc. Withdrawals of working owners and partners of unincorporated businesses are excluded.

Seedling: A young tree having a diameter at breast height equal to or less than 1 cm. Includes trees with a height less than 1.30 m.

Selling price index: An index that shows changes in the overall inflation rate or the rate of price change for a particular sector of the economy, with the base year equal to 100.

Semichemical pulp: Pulp obtained by mild treatment of wood chips by any of the chemical pulping processes, which remove only part of the lignin from the wood chips, followed by mechanical treatment to complete the separation of individual cellulose fibers.

Shakes: In construction, a type of shingle usually hand split from a bolt and used for roofing or weatherboarding.

Shingles: Thin, rectangular pieces of wood, sawn along the grain and tapering in thickness, used like tiles for roofing and weatherboarding.

Silviculture: The theory and practice of controlling the establishment, composition, care, and development of stands of trees to achieve the objectives of management.

Softwood(s): Cone-bearing trees with needle - or scale - like leaves belonging to the botanical group Gymnospermae. Also, stands of such trees and the wood produced by them.

Stocked forest land: Land supporting tree growth. In this context, tree growth includes seedlings and saplings.

Subsidies: Direct or indirect payments or other assistance to someone to produce goods or services - to benefit the consumer from lower prices, to protect producers against a decline in the price of their products, to encourage certain types of economic production, or to promote certain types of socially desirable activity.

Sulphate (kraft) pulp: A chemical wood pulp obtained by cooking wood chips at high temperature in a solution of sodium hydroxide and sodium sulfide.

Sulphite pulp: A chemical wood pulp obtained by cooking wood chips in a bisulfite-sulfurous acid solution.

Total exports: The sum of Domestic exports and Re-exports.

Uneven-aged: Of a forest, stand, or forest type in which intermingling trees differ markedly in age. (The minimum difference in age permitted in an uneven-aged stand is usually 10 to 20 years).

Unproductive: Forest land that is incapable of producing a merchantable stand within a reasonable length of time. Includes muskeg, rock, barrens, marshes, meadows, etc., within a forest land area.

Value added, manufacturing activity: Value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel, and electricity.

Valued added, total activity: Consists of value added, manufacturing activity and value added, nonmanufacturing activity. The latter is calculated by subtracting relevant commodity inputs from nonmanufacturing revenue or output; these commodity inputs are net of the change in inventories of goods purchased for resale. Nonmanufacturing revenues include depreciable fixed assets produced by own work force for own use, revenue from product rentals, etc., but exclude nonoperating revenue such as real property rentals, dividends, and interest.

Value of shipments of goods of own manufacture: Net selling value of goods made by reporting establishment, or for its account, from its own materials. Excludes discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, and common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Includes repair and custom revenue, transfer to reporting units of same firm, all exports, and book value of own products shipped the first time on a rental basis. Includes consignment shipments to other countries, but domestic consignment shipments are included in inventory units sold.

Veneer: A thin layer or sheet of wood.

Waferboard: A type of particleboard composed of wafers cut from roundwood bolts (mostly poplar) of uniform length and thickness resembling small pieces of veneer. The wafers are bonded together with resin binder, under heat and pressure, by a process similar to that by which particleboard is made.

Working owners and partners: Include only those active in unincorporated businesses.

B. Trade area groupings

This is a selection of trade area groupings used in this publication.

Countries are arranged primarily according to geographical location. The country classification employed does not reflect the views or intentions of the Government of Canada on international issues of recognition, sovereignty, or jurisdiction. The trade areas shown in section III (Statistics Canada) and section IX (FAO) include groupings that are defined as follows:

Central America[a]: Anguilla, Antigua and Barbuda, Bahamas, Barbados, Belize, Bermuda[b], British Virgin Islands[b], Cayman Islands[b], Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, Grenada[b], Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat[b], Netherlands Antilles, Nicaragua, Panama, Puerto Rico, Saint Lucia[b], St. Kitts-Nevis[b], St. Vincent and the Grenadines[b], Trinidad and Tobago, Turks and Caicos Islands[b], and United States Virgin Islands[b].

China, People's Republic: China and Mongolian People's Republic.

Eastern Europe[a]: Albania, Bulgaria, Czechoslovakia, Germany (East), Hungary, Poland, and Romania.

European Economic Community (EEC): Belgium-Luxembourg, Denmark, France, Germany (Federal Republic), Greece[c], Ireland, Italy, Netherlands, Portugal[c], Spain[c], and United Kingdom.

Middle East - African part: Egypt, Ethiopia, Libyan Arab Jamahiriya, Somalia, and Sudan.

Middle East - Asian part: Bahrain, Cyprus, Emirates (United Arab), Iran (Islamic Republic), Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syrian Arab Republic, Turkey, Yemen South, and Yemen North.

Other Africa: Algeria, Angola, Benin, Botswana, British Indian Ocean Territory[b], Burkina Faso[b], Burundi, Cameroon, Cape Verde, Central African Republic[b], Chad, Comoros, Congo, Côte-d'Ivoire, Djibouti, Equatorial Guinea, French Southern and Antarctic Territories[b], Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia[b], Niger, Nigeria, Reunion, Rwanda, St. Helena[b], Sao Tome and Principe, Senegal, Seychelles[b], Sierra Leone, South Africa, Swaziland, Tanzania (United Republic), Togo, Tunisia, Uganda, Western Sahara[b], Zaire, Zambia, and Zimbabwe.

Other Oceania: American Samoa[b], Cook Islands[b], Fiji, French Polynesia, Guam[b], Kiribati[b], New Caledonia, Niue[b], Papua New Guinea, Pitcairn Island[b], Solomon Islands, Tonga, Tokelau[b], United States Minor Outlying Islands[b], Vanuatu, Wallis and Futuna Islands[b], and Western Samoa[b].

Other Western Europe: Austria, Gibraltar, Iceland, Malta, Switzerland, and Yugoslavia[a].

South America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Falkland Islands[b] (Malvinas), French Guiana, Guyana, Paraguay, Peru, Surinam, Uruguay, and Venezuela.

South East Asia: Brunei Darussalam, Indonesia, Malaysia, Philippines, Singapore, and Thailand.

[a]To facilitate the comparison with certain studies published by the FAO, **Mexico** is assigned to Central America instead of North America, **Yugoslavia** is assigned to Western Europe instead of Eastern Europe, and the **USSR** is shown outside Europe instead of in Eastern Europe as coded in Statistics Canada publications.
[b]Country names coded only in Statistics Canada publications.
[c]**Greece** joined the EEC on January 1, 1981, and **Portugal** and **Spain** on January 1, 1986.

C. Reference notes

Shipments of roundwood in British Columbia

Beginning in 1980, the operations of "log supply divisions" in the British Columbia coastal region are treated as merchandising activity rather than logging activity. This change has been implemented to eliminate sizeable duplications in logging inputs and shipments. Involved are four establishments (in some of the earlier years there were five establishments). The "log supply divisions" are administrative units that control the distribution of roundwood and wood chips, from each firms' own logging establishments plus outside purchases and some contractor production, to their wood-using mills. Under the procedure used prior to 1980 the shipments by logging establishments to log supply establishments were duplicated by the shipments from the "log supply divisions" to the wood-using mills although in effect they were only book transfers. The revised figures for 1970-1979 eliminate this duplication.

Discrepancies between production and shipments of roundwood figures

Several reasons can be given to explain the inconsistency between production and shipments figures:

1. Inventories fluctuations.

2. Measurement methods vary from province to province. Some firms use methods recommended by provincial governments, but these methods do not always conform to Statistics Canada requirements. Therefore, Statistics Canada must develop its own conversion factors so that it can use the data for analyses and comparisons.

3. Production data are estimates of all logging operations (we arrived at these estimates using information obtained from the provinces and from Statistics Canada), while shipments comprise only quantities declared by firms whose primary activity is logging. Shipments made by small businesses, whose operations are reported in terms of dollar values, and those made by firms to their subsidiaries as part of a vertical integration, are not taken into account. Each of these factors is responsible for lowering the figures by approximately 10 to 15%.

4. Some small businesses have such low production that they are not included in Statistics Canada surveys.